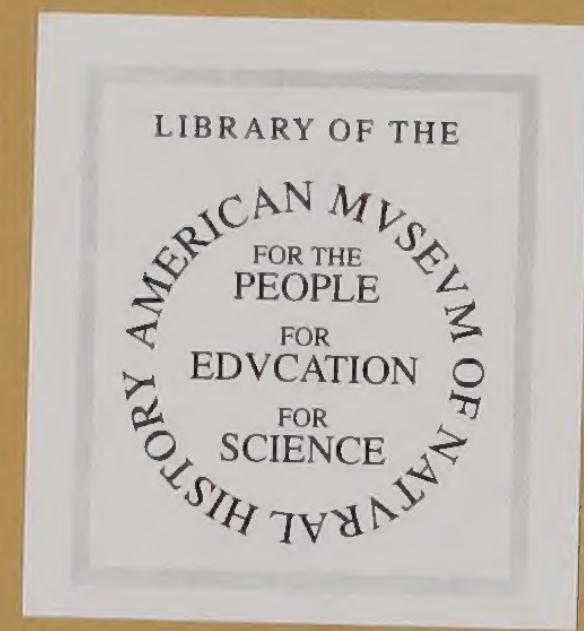


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**GROWTH OF THE BUILDING
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY**

**PLANS FOR FUTURE BUILDING
AND
ARRANGEMENT OF COLLECTIONS**

MAY, 1911

48-167495-Man 20



GROWTH OF THE BUILDING
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY

PLANS FOR FUTURE BUILDING
AND
ARRANGEMENT OF COLLECTIONS

Submitted by the
President and Buildings and Plans Committee
to the
Trustees of the Museum
and to the
Members of the Board of Estimate and Apportionment
May 8, 1911



THE ARSENAL IN CENTRAL PARK. First Home of the Museum, 1870-1877

The Arsenal in Central Park

FIRST HOME OF THE MUSEUM, 1870-1877

Site—Second and third floors of the Arsenal.

President—John David Wolfe.

Mayor—A. Oakley Hall.

Comptroller—Andrew H. Green.

Manhattan Square, a plot of 18 acres, the present site of the Museum, was set aside as the permanent home of The American Museum of Natural History, by the Park Board in 1872.



THE MUSEUM. South Transept. The first portion of the Museum and a part of Manhattan Square as they appeared in 1877-1889

The Museum—South Transept

President—Robert L. Stuart.

Mayors—A. Oakley Hall (1869–1872). William H. Wickham (1875–1876).

Comptroller—Andrew H. Green.

Park Commissioner—Henry G. Stebbins (1871).

Corner-stone laid by President U. S. Grant, June 2, 1874.

Construction period, 1874–1877.

Appropriation by the City, Chapter 290, Laws of 1871		\$500,000.00
Appropriation by the City, Chapter 315, Laws of 1875	200,000.00	\$700,000.00
Contract price for iron work	\$287,841.50	
Contract price for masons' work	131,483.00	
Balance for plastering, plumbing, heating, lighting, tiling, cases, painting, etc.	280,675.50	\$700,000.00

Contract awarded, July 24, 1873.

Last payment, August 2, 1877.

Floor Area, 71,426 square feet, including cellar and attic used as storage rooms.

Architect—Calvert Vaux.



THE MUSEUM. Central Section of the South Façade, 1889-1893

Central Section of the South Façade (SOUTH ENTRANCE)

President—Morris K. Jesup.

Mayors—Abrau S. Hewitt (1887-1888). Hugh J. Grant (1889-1892).

Comptrollers—Edward V. Loew (1887). Theodore W. Meyers (1889-1893).

Park Commissioners—M. C. D. Borden (1887). J. Hampden Robb (1889).

Appropriation by the City, Chapter 44, Laws of 1887, for Central Section and East Transept	- - - - -	\$400,000.00
Appropriation by the City, Chapter 89, Laws of 1889, for West Transept, stoop and entrance	- - - - -	400,000.00 \$800,000.00
Contract price for building Central Section and East Transept	- - - - -	*338,251.50
Balance for excavation, cases, etc.	- - - - -	61,745.50 \$400,000.00
Contract awarded October 8, 1888.		
Last payment, May 12, 1891.		
Contract price for building West Transept, stoop and entrance	- - - - -	\$339,291.51
Balance for cases, fees, etc.	- - - - -	60,708.46 400,000.00 \$800,000.00
Contract awarded February 4, 1890.		
Last payment, September 23, 1891.		
Floor area, 69,405 square feet, including cellar and attic used for storage.		

Architect—J. C. Cady & Co.



FHR MUSEUM. East Wing of South Façade, 1893-1895

East Wing of South Façade

President—Morris K. Jesup.

Mayors—Hugh J. Grant (1889–1892). Thomas F. Gilroy (1893–1894).

Comptrollers—Theodore W. Meyers (1889–1893). Ashbel P. Fitch (1894–1897).

Park Commissioners—Paul Dana (1892). A. B. Tappan (1893). George C. Clausen (1894).

Appropriation by the City, Chapter 423, Laws of 1892	-	-	\$350,000.00
Appropriation by the City, Chapter 448, Laws of 1893	-	-	*50,000.00
Appropriation by the City, Chapter 63, Laws of 1894			1200,000.00 \$600,000.00
Contract price for building	-	-	\$330,900.00
Balance for fees, etc.	-	-	19,100.00 \$350,000.00
Contract awarded, July 19, 1893.			
Last payment, August 26, 1895.	-	-	\$48,103.36
Reimbursement amount	-	-	1,896.64 50,000.00
Balance for fees, etc.	-	-	\$184,750.00
Contract price for building	-	-	15,250.00 200,000.00 \$600,000.00
Balance for fees, etc.	-	-	
Contract awarded, June 29, 1894.			
Last payment, September 3, 1895.			
Floor area, 52,998 square feet, including cellar used for storage.			

Architect—J. C. Cady & Co.

* This amount was paid to the Trustees in reimbursement for payments made for several years for cases, repairs, etc., to various portions of entire building.
† Completion of enlargement (refers principally to the East Wing).



Southwest Corner Wing

West Wing

Central Section—South Entrance

East Wing

Southeast Corner Wing

THE MUSEUM, South Façade. Exterior completed in 1899

West Wing of South Façade

President—Morris K. Jesup.

Mayor—William L. Strong.

Comptroller—Ashbel P. Fitch.

Park Commissioner—David H. King.

Appropriation by the City for West Wing, Chapter 235, Laws of 1895	\$500,000.00
Premium from sale of bonds - - - - -	<u>11,775.00</u> \$511,775.00
Contract for building - - - - -	\$344,900.00
Balance for cases, fees, repairs, etc. - - - - -	<u>166,875.00</u> \$511,775.00

Contract awarded, October 1, 1895.

Last payment, June 28, 1897.

Floor Area, 52,998 square feet, including cellar used for storage.

Architect—J. C. Cady & Co.

Southeast Corner Wing

President—Morris K. Jesup.

Mayor—William L. Strong.

Comptroller—Ashbel P. Fitch.

Park Commissioner—S. Van Rensselaer Cruger.

Appropriation by the City for Southeast Corner Wing, Chapter 175, Laws of 1896	-	-	-	-	-	-	-	-	\$500,000.00
Premium from sale of bonds	-	-	-	-	-	-	-	<u>29,002.50</u>	\$529,002.50
Contract for building	-	-	-	-	-	-	<u>364,500.00</u>		
Balance for cases, repairs, fees, etc.	-	-	-	-	-	<u>164,502.50</u>			\$529,002.50

Contract awarded, September 2, 1897.

Last payment, December 7, 1899.

Floor Area, 49,416 square feet, including cellar and two attics used for storage.

Architect—Cady, Berg & See.

Southwest Corner Wing

President—Morris K. Jesup.

Mayor—William L. Strong.

Comptroller—Ashbel P. Fitch.

Park Commissioner—Samuel McMillan.

Appropriation by the City for Southwest Corner Wing and Lecture Hall,

Chapter 213, Laws of 1897	-	-	-	-	-	-	\$500,000.00
Premium on sale of bonds	-	-	-	-	-	-	26,532.50
Contract price for Southwest Wing	-	-	-	-	-	\$362,500.00	
Contract price for Lecture Hall	-	-	-	-	-	108,900.00	
Balance used for fees, furnishing, repairs, etc.	-	-	-	-	55,132.50		\$526,532.50

Contract awarded for Southwest Wing, October 14, 1897.

Last payment for Southwest Wing, December 8, 1899.

Contract awarded for Lecture Hall, October 6, 1899.

Last payment, 1900.

Floor Area of Southwest Corner Wing, including two attics used for storage, 49,416 square feet.

Floor Area of Lecture Hall, 15,954 square feet.

Seating capacity of Lecture Hall, 1,500.

Architect—Cady, Berg & See.

Supplementary Equipment and Casing of South Façade

President—Morris K. Jesup.

Mayor—Robert A. Van Wyck.

Comptroller—Bird S. Coler.

Park Commissioner—George C. Clausen.

**Appropriation by the City for the completion of buildings, cases, painting, tiling, pedestals,
and equipping new building (Southwest Wing), as the contract was for the building
without sash, trim, tile, painting, etc., and also for the repairs and alterations to all the
buildings constructed at that time, Chapter 185, Laws of 1900**

\$350,000.00



THE MUSEUM—REAR VIEW OF BUILDING. † Heating and Lighting Plant. (+) Lecture Hall

Heating and Lighting Plant

President—Morris K. Jesup.

Mayor—Seth Low.

Comptroller—Edward M. Grout.

Park Commissioner—William R. Wilcox.

Appropriation by the Board of Aldermen for the construction and installation of a new Heating and Lighting Plant, July 22, 1902	-	-	\$200,000.00
Premium from sale of bonds	-	-	<u>1,136.10</u>
Contract price for building	-	-	\$189,299.00
Balance for fees, etc.	-	-	\$11,837.10

Floor Area of Engine Room, 13,206 square feet.

Floor Area of Pump and Boiler Room, 8,094 square feet.

Floor Area of Approaches, 6,288 square feet.

Contract awarded, May 18, 1903.

Last payment, November 14, 1904.

Architect—Charles Volz.

Supplementary Equipment, Casing and Construction

President—Morris K. Jesup.

Mayor—Seth Low.

Comptroller—Edward M. Grout.

Park Commissioner—William R. Wilcox.

Appropriation by the Board of Aldermen for the completion of the unfinished portions of the building, June 16, 1903	-	-	\$188,000.00
Premium from sale of bonds	-	-	<u>1,284.21</u>



THE MUSEUM. South Wing of West Façade

South Wing of West Façade, Service Road and Fire Lines

President—Morris K. Jesup.

Mayor—George B. McClellan.

Comptroller—Edward M. Grout.

Park Commissioner—John J. Pallas.

Appropriation by the Board of Aldermen for the equipping and finishing of the buildings and the construction of additions thereto, April 11, 1905	\$500,000.00		
Premium from sale of bonds	-	11,090.63	\$511,090.63
Contract price for South Wing of West Façade	-	\$325,600.00	
Contract price for Service Road	-	26,000.00	
Contract price for Fire Lines (entire South Façade)	-	19,838.00	
Balance for equipment, etc.	-	<u>139,652.63</u>	\$511,090.63

Main contract awarded, May 22, 1906.

Last payment, June 6, 1908.

Floor Area, 64,163 square feet, including cellar and attics used for storage and workshops.

Architect—Charles Volz.

Casing, Equipment and Construction, Chiefly of South Section of West Façade

President—Henry Fairfield Osborn.

Mayor—William J. Gaynor.

Comptroller—William A. Prendergast.

Park Commissioner—Charles B. Stover.

Appropriation by the Board of Aldermen, July 26, 1909	\$100,000.00
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THE MUSEUM IN 1911

Summary of Appropriations and Floor Areas, 1869-1911

			<i>Premium</i>		<i>Total Floor Areas</i>
Chapter 290, Laws of 1871	-	-	\$500,000.00		
Chapter 315, Laws of 1875	-	-	200,000.00	South Transept	71,426 square feet
Chapter 44, Laws of 1887	-	-	400,000.00	South Entrance	69,405 square feet
Chapter 89, Laws of 1889	-	-	400,000.00	East Wing	52,998 square feet
Chapter 423, Laws of 1892	-	-	350,000.00	West Wing	52,998 square feet
Chapter 448, Laws of 1893	-	-	50,000.00	Southeast Corner Wing	49,416 square feet
Chapter 63, Laws of 1894	-	-	200,000.00	Southwest Corner Wing	49,416 square feet
Chapter 235, Laws of 1895	-	-	500,000.00	Lecture Hall	15,951 square feet
Chapter 175, Laws of 1896	-	-	500,000.00	Heating and Lighting Plant	21,300 square feet
Chapter 213, Laws of 1897	-	-	500,000.00	Approaches	6,288 square feet
Chapter 185, Laws of 1900	-	-	350,000.00	South Wing, West Façade	64,163 square feet
Ordinance, Board of Aldermen, July 22, 1902			200,000.00		453,364 square feet
Ordinance, Board of Aldermen, June 16, 1903			188,000.00		or 10.407 acres
Ordinance, Board of Aldermen, April 11, 1905			500,000.00		
Ordinance, Board of Estimate, July 26, 1909			100,000.00		
			\$4,938,000.00	\$80,820.94	
			80,820.94		
Grand total	-	-	\$5,018,820.94		

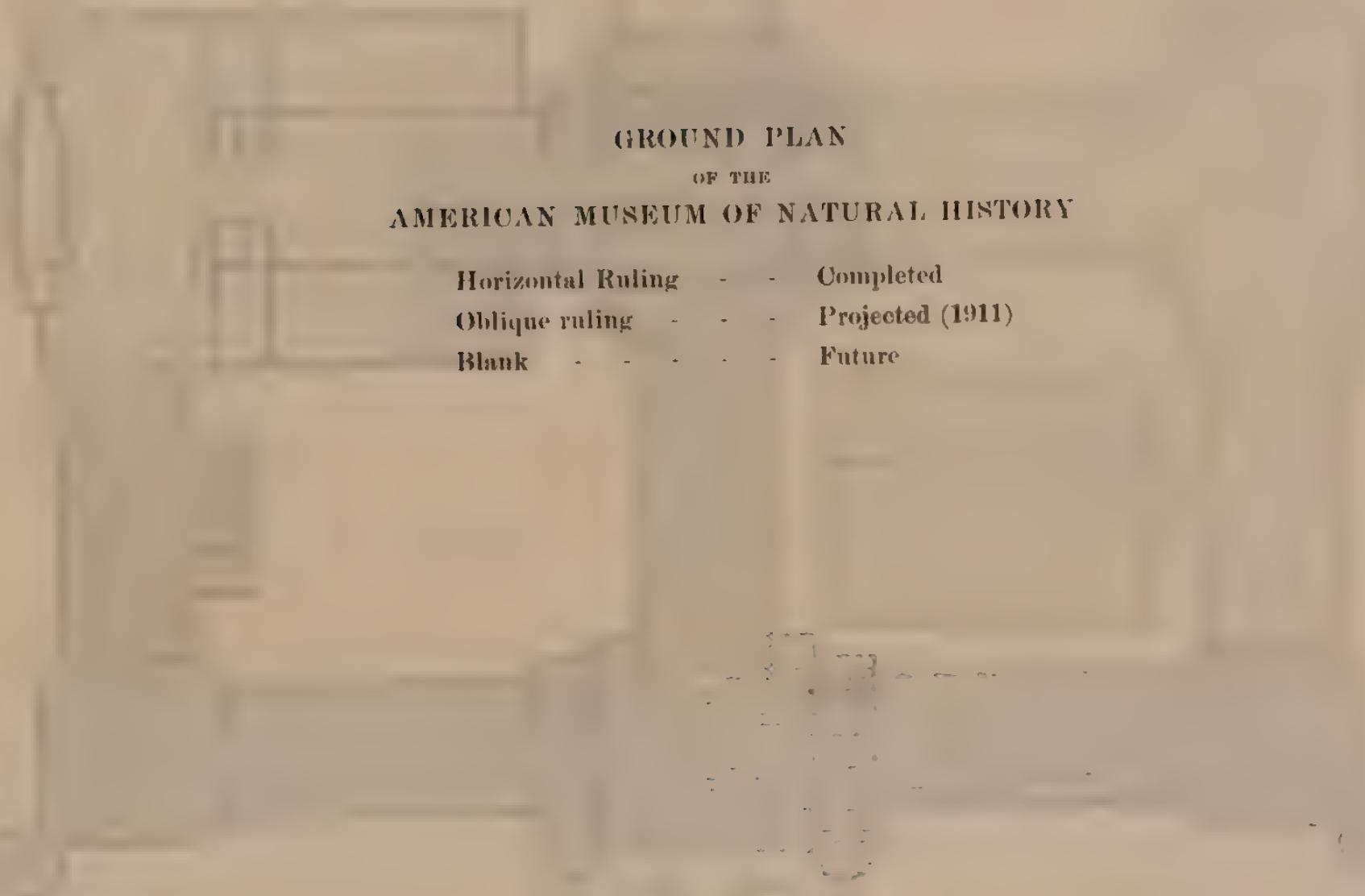
Comparative Cost of Public Buildings

American Museum of Natural History, New York	-	-	-	-	-	\$5,018,820.94
Metropolitan Museum of Art	"	"	-	-	-	4,853,536.97
College of the City of New York, including grounds and equipment	-	-	-	-	-	5,500,000.00
New Municipal Building, New York	-	-	-	-	-	12,000,000.00
New York Public Library, "	"	-	-	-	-	9,000,000.00
Hall of Records,	"	"	-	-	-	5,613,699.00
Speedway,	"	"	-	-	-	3,095,000.00
United States National Museum, Washington, D. C.	-	-	-	-	-	3,500,000.00
Carnegie Institute, Pittsburgh, Pa.	-	-	-	-	-	6,120,000.00



DESIGN FOR NEW EAST FAÇADE OF THE MUSEUM FACING CENTRAL PARK

(Preliminary Sketch by Trowbridge & Livingston, Architects, submitted to the Trustees May 8, 1911)



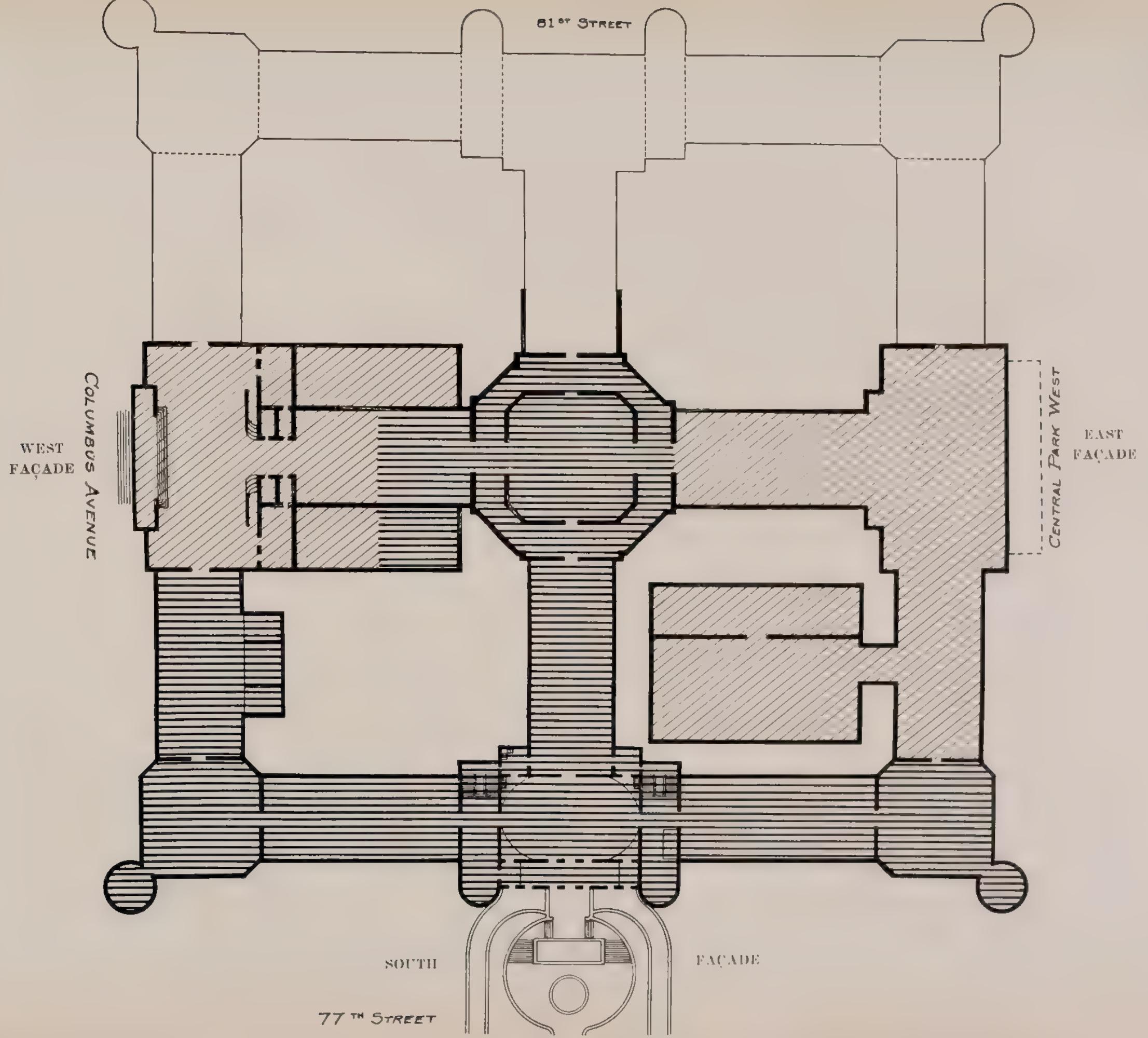
GROUND PLAN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY

Horizontal Ruling	- - -	Completed
Oblique ruling	- - -	Projected (1911)
Blank	- - -	Future

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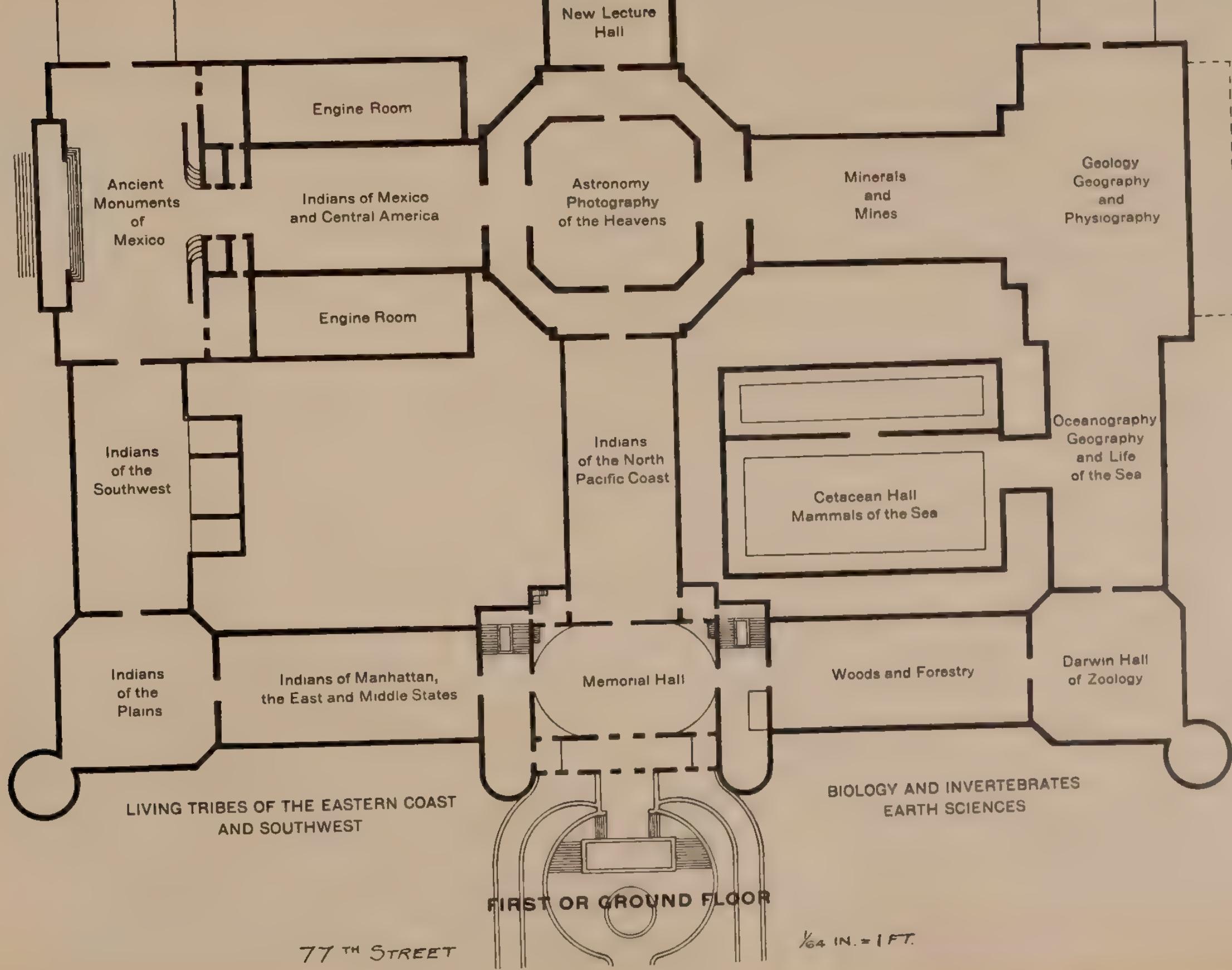
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THE FOLLOWING PAGES PRESENT THE
PROPOSED ARRANGEMENT OF EXHIBITS AND COLLECTIONS
IN THE
BUILDING AS CONSTRUCTED AND AS PROJECTED FOR THE
IMMEDIATE FUTURE

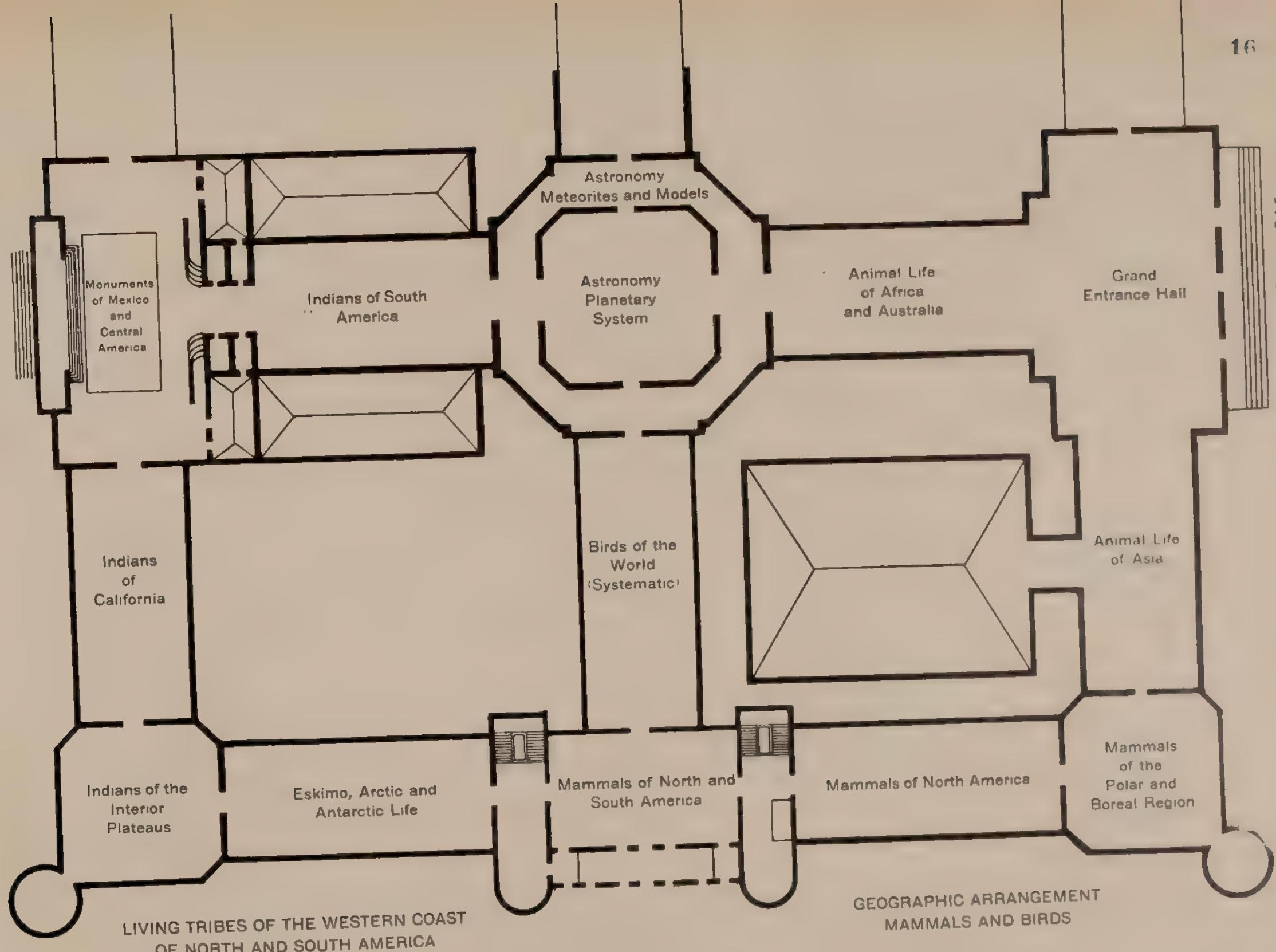
COLUMBUS AVENUE

CENTRAL PARK WEST



COLUMBUS AVENUE

CENTRAL PARK WEST

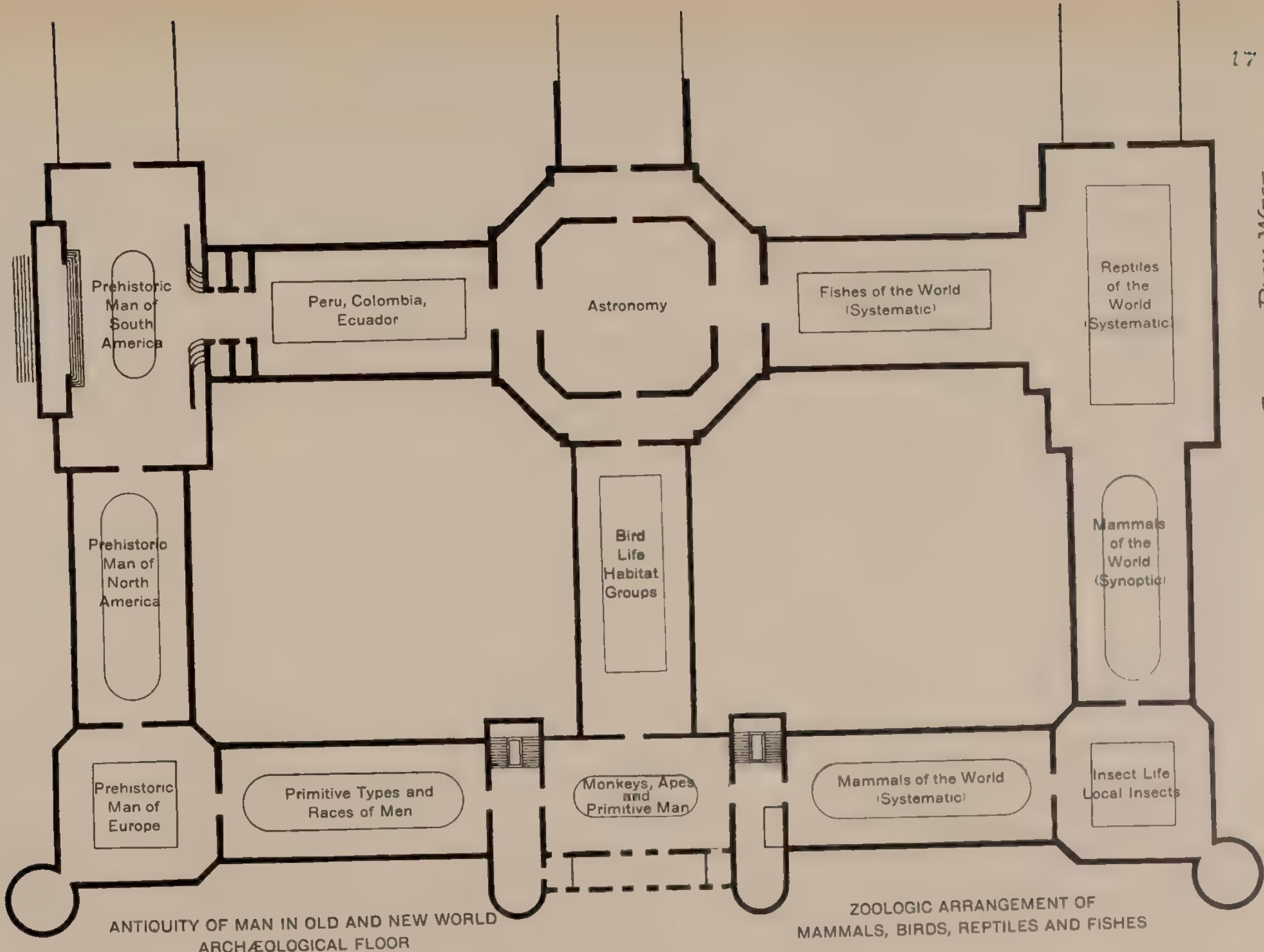


SECOND FLOOR

77TH STREET

1/64 IN. = 1 FT.

COLUMBUS AVENUE

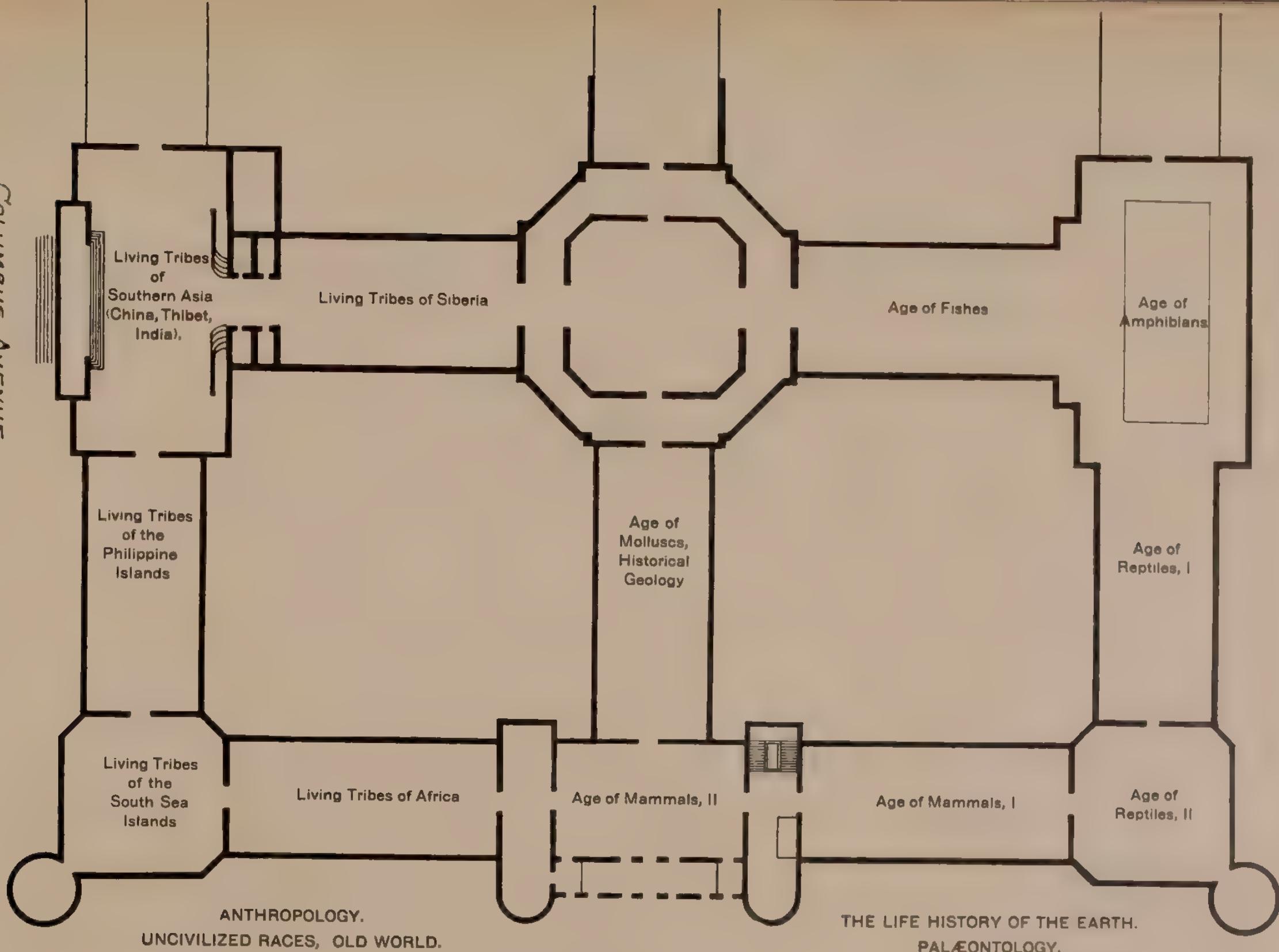


THIRD FLOOR

77TH. STREET

1/64 IN. = 1 FT.

COLUMBUS AVENUE



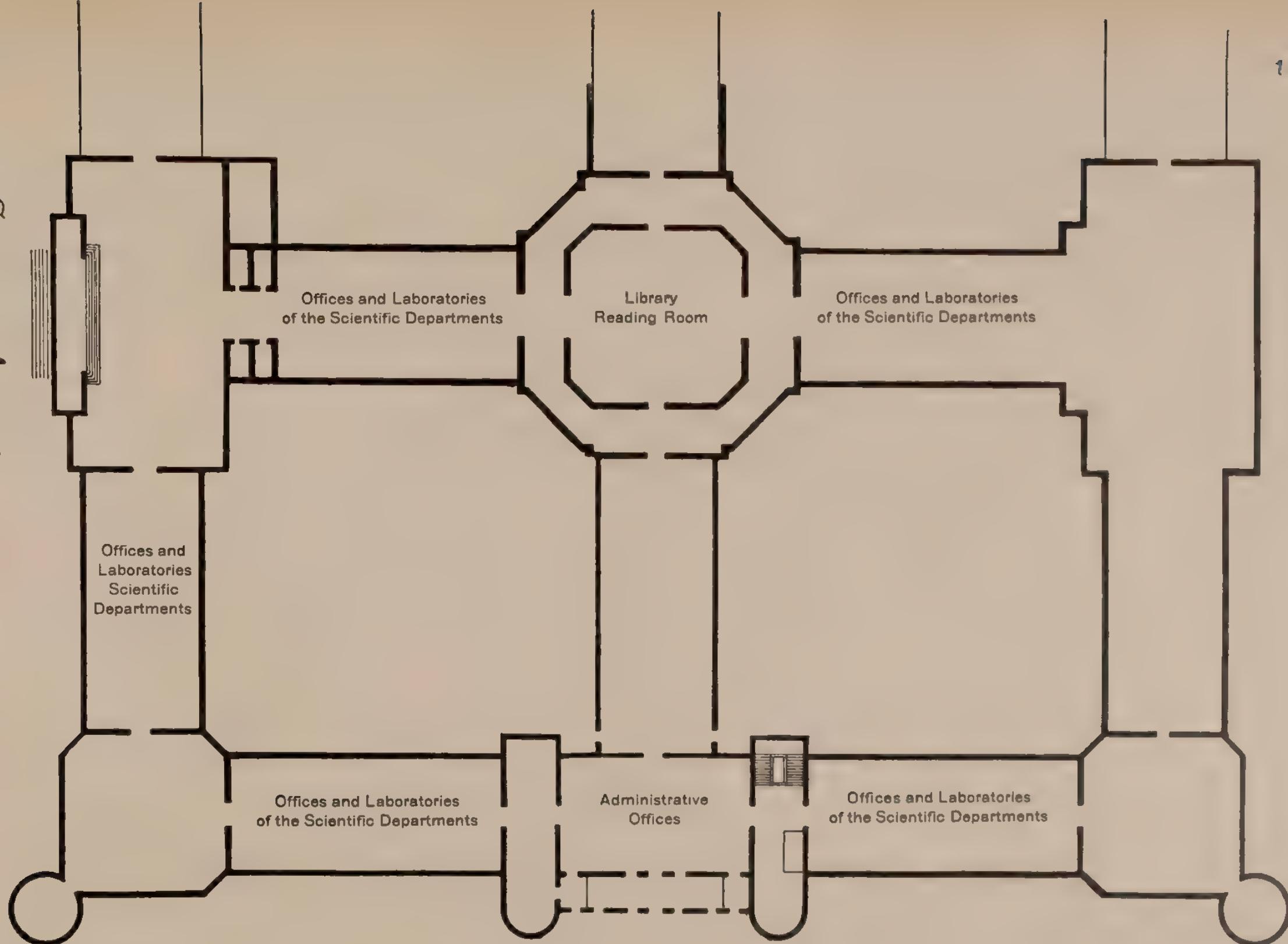
FOURTH FLOOR

77TH. STREET

1/64 IN. = 1 FT.

COLUMBUS AVENUE

CENTRAL PARK WEST

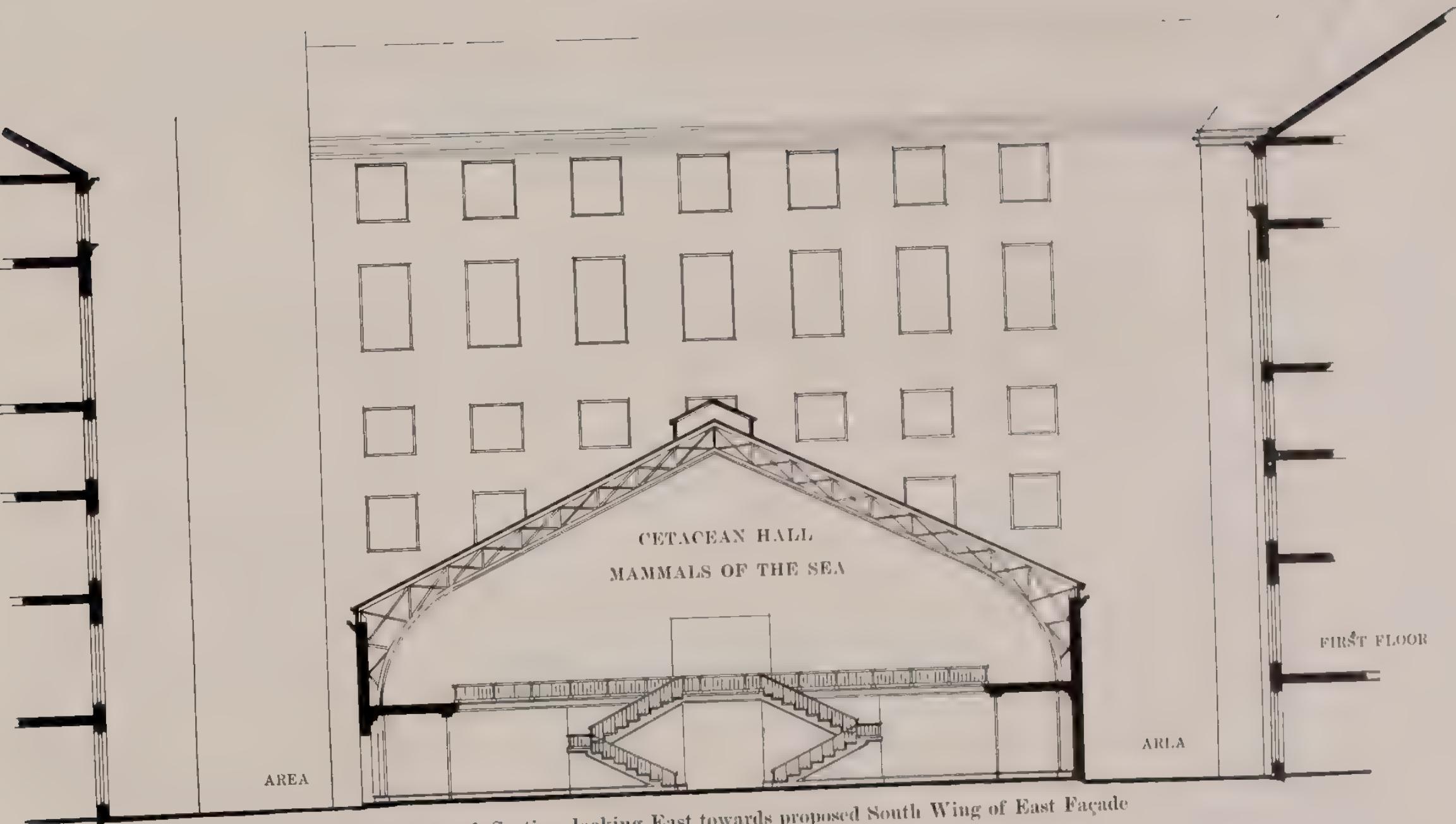


FIFTH FLOOR

77TH STREET

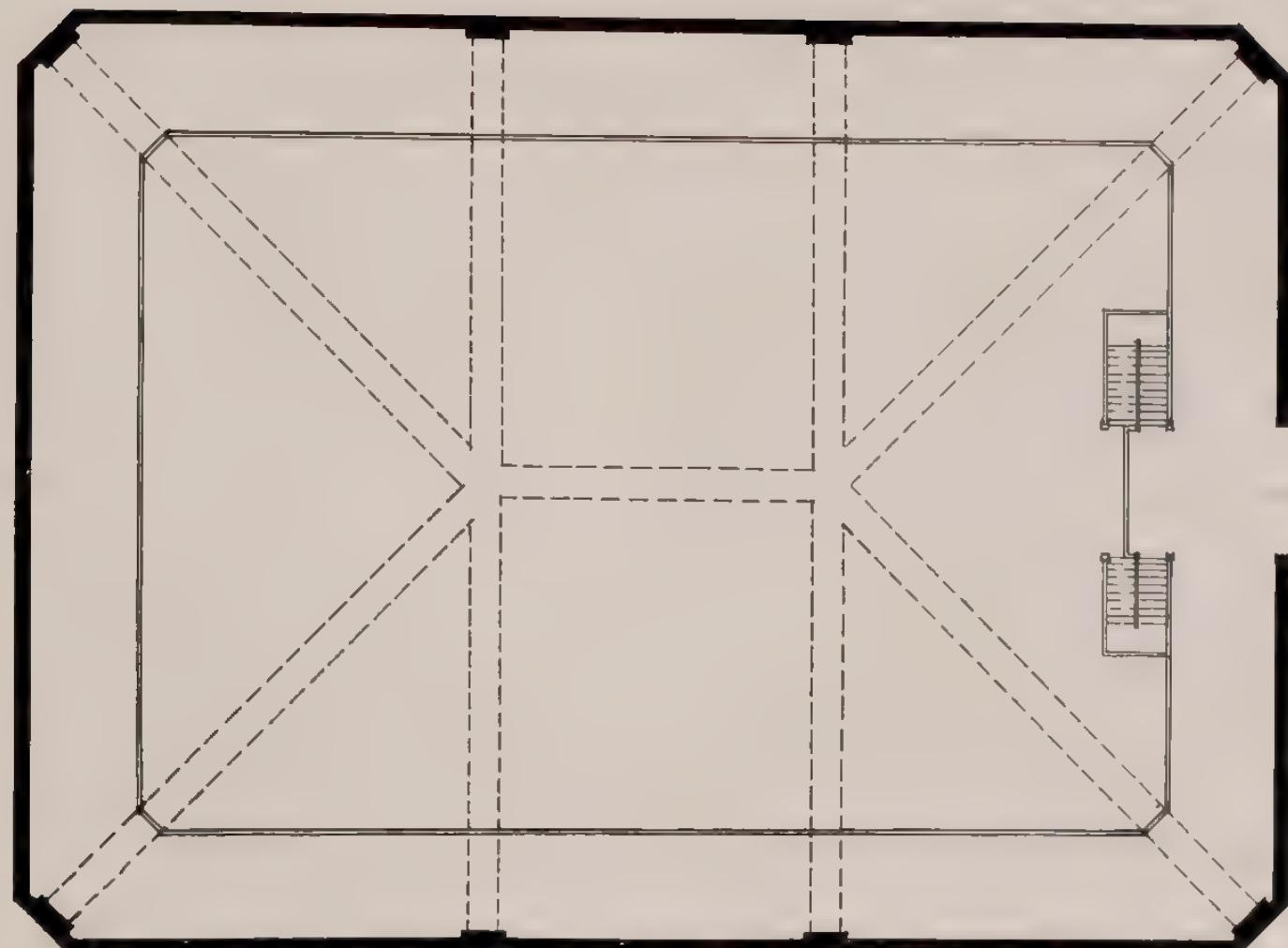
1/64 IN. = 1 FT.

THE FOLLOWING PAGES PRESENT THE
DETAILED PLANS FOR SOUTH WING OF EAST FAÇADE
AND COURT BUILDING
PROPOSED FOR IMMEDIATE CONSTRUCTION
INCLUDING
ARRANGEMENT OF EXHIBITIONS UNTIL ADJOINING SECTIONS
ARE CONSTRUCTED



North and South Section, looking East towards proposed South Wing of East Façade





First Floor Level and Roof Girder Plan of Court Building (Cetacean Hall) and of
Proposed South Wing of East Façade

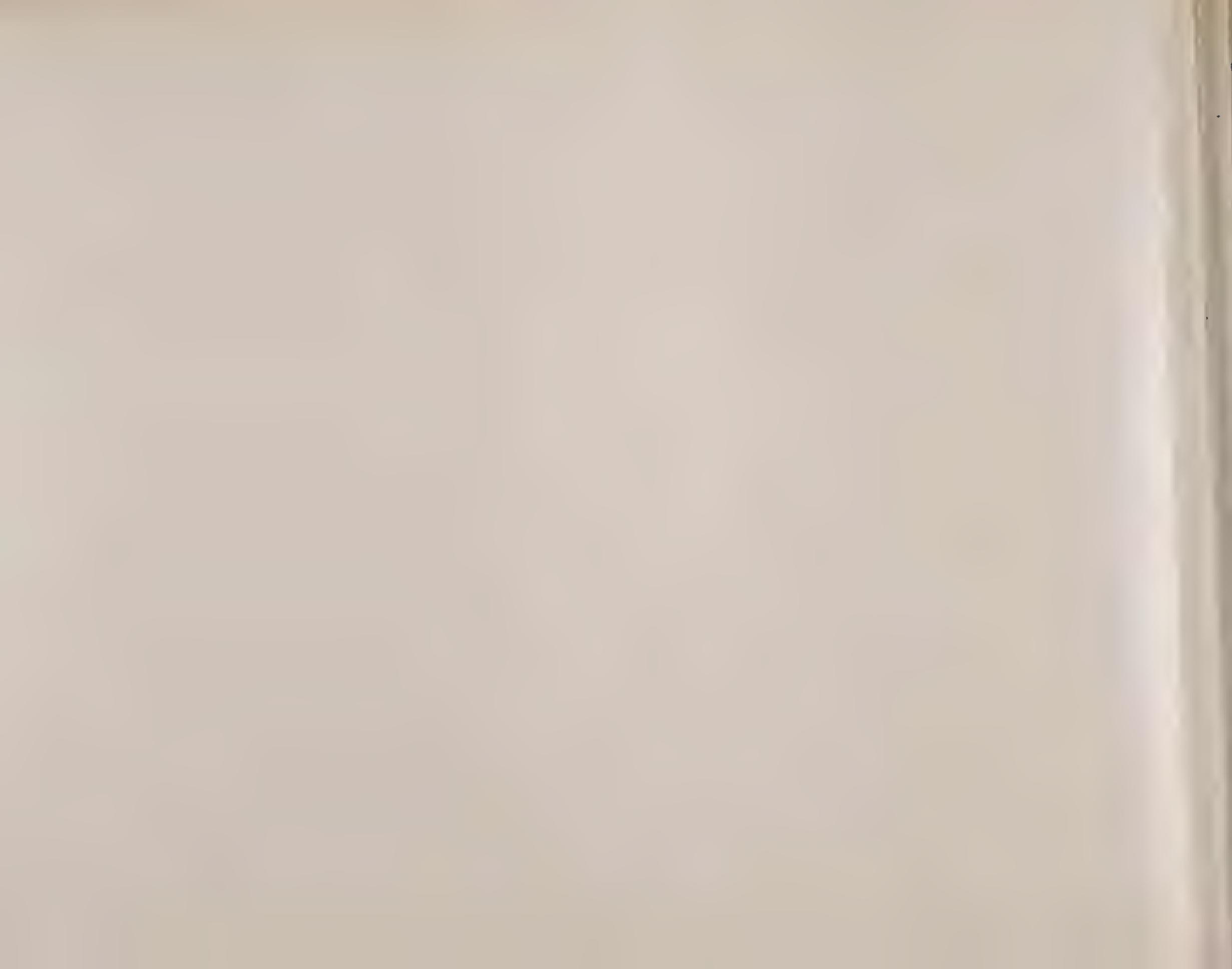
TROWBRIDGE & LIVINGSTON
ARCHITECT

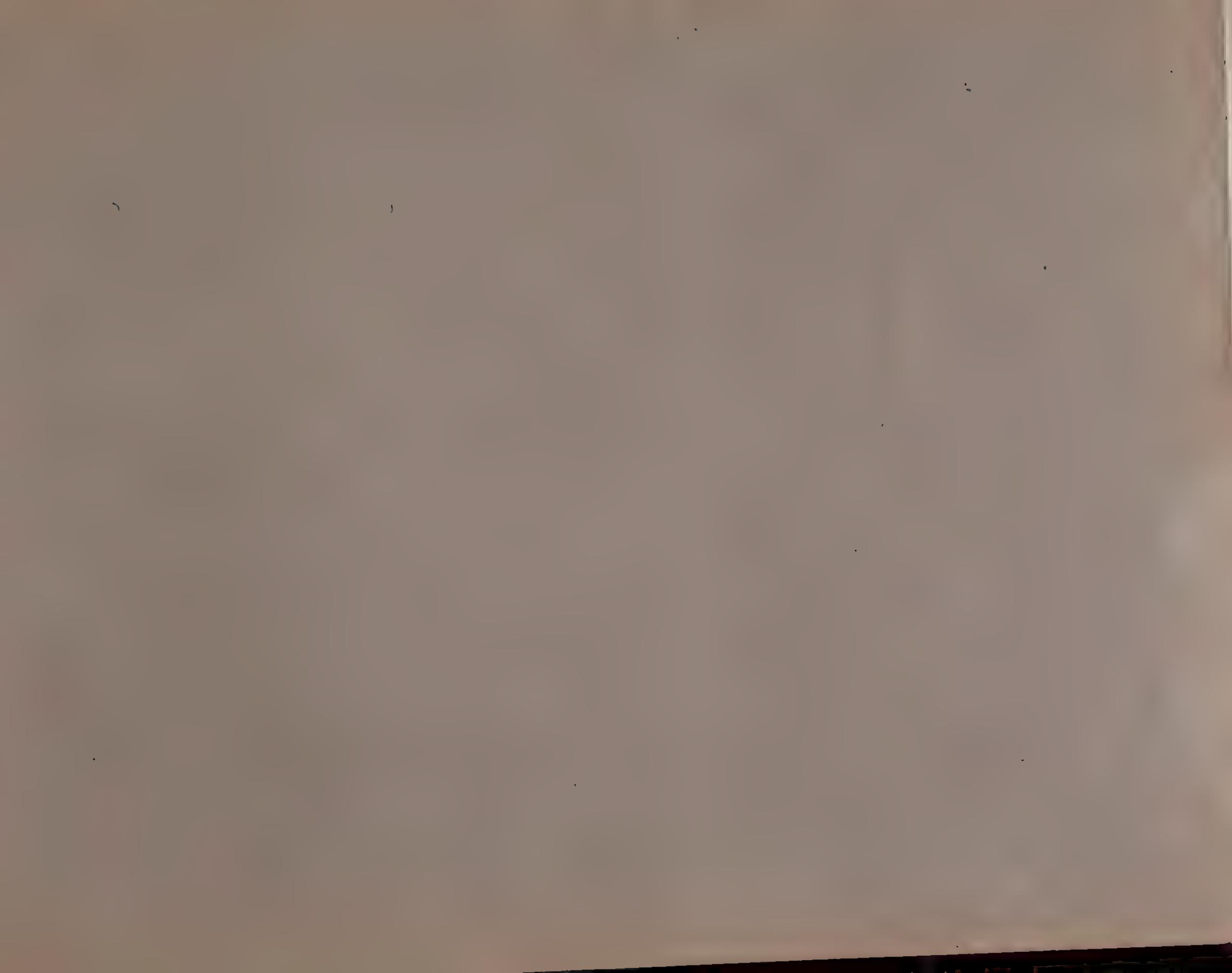


East and West Section through the Southeast Court, showing New Wing and Cetacean Hall

TROWBRIDGE & LIVINGSTON
ARCHITECTS





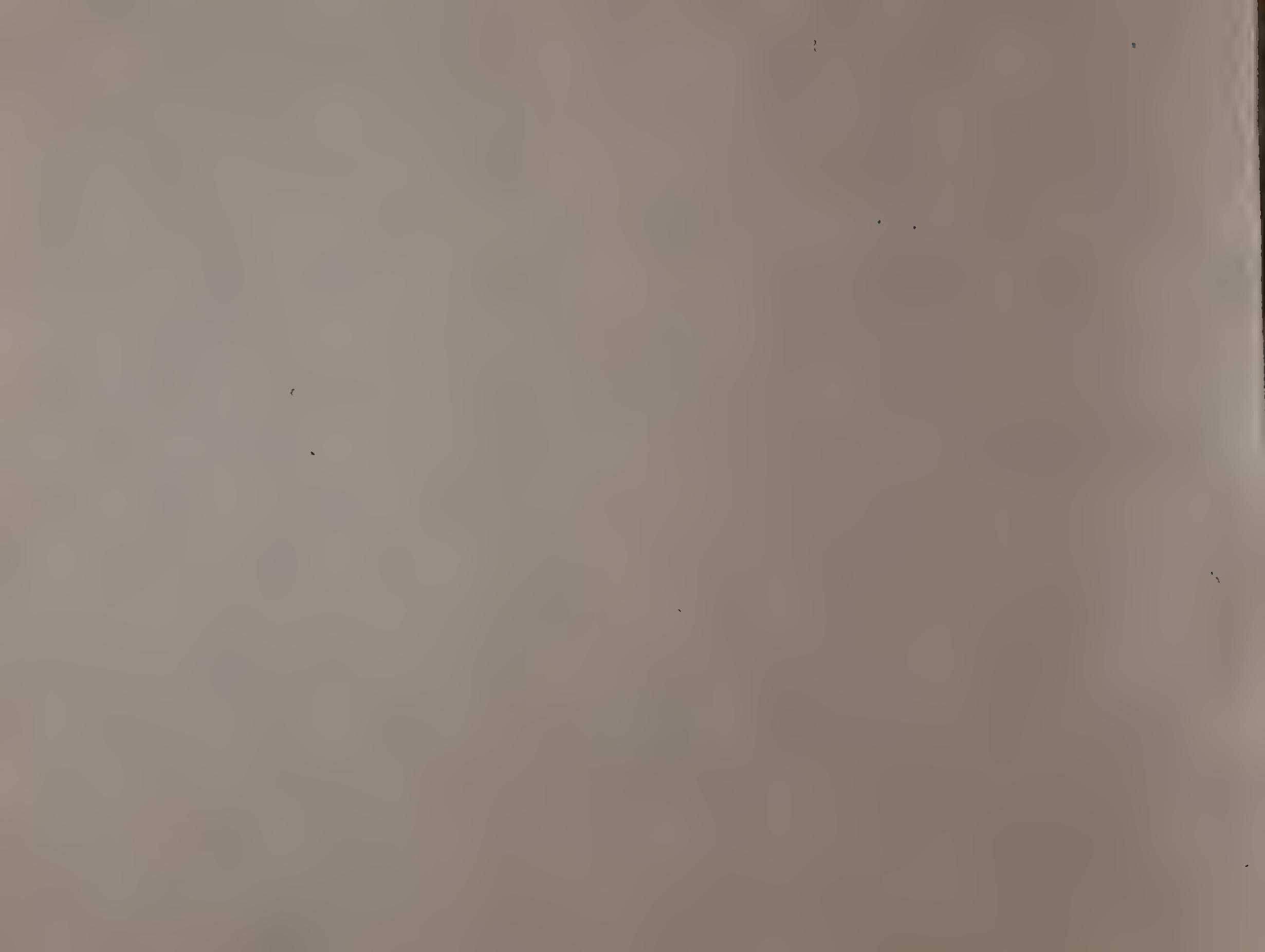


IRVING PRESS
NEW YORK

GROWTH OF THE BUILDING
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY
—
PLANS FOR FUTURE BUILDING
AND
ARRANGEMENT OF COLLECTIONS

SECOND EDITION

Published by the American Museum of Natural History, May, 1912



**STATISTICS TO ACCOMPANY
BUILDING PLANS
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY**

In connection with the application for an appropriation of \$550,000 to complete the Southeast Wing and Court Building, the Trustees present to the Board of Estimate and Apportionment the following statistics relative to the operation of The American Museum of Natural History.

HENRY FAIRFIELD OSBORN,

President.

June 1, 1912.

AMERICAN MUSEUM OF NATURAL HISTORY

APPROPRIATIONS AND COST OF BUILDING

May 1, 1912

Period of Construction and Equipment	Amount	Construction Contract	Equipment and Furnishing	Fees	Total Cost
		Iron Work -----	\$287,841.50		
	\$500,000.00	Mason Work -----	131,483.00		
		Carpenter Work -----	38,915.76		
1876-77	200,000.00	Plastering, Plumbing, Slating and Tiling	41,091.00		
			499,331.26	\$181,665.91	\$19,002.83
					\$700,000.00
1888-91	400,000.00		354,186.77	27,062.18	18,751.05
1890-91	400,000.00		339,291.54	41,782.55	18,925.91
1893-95	350,000.00		330,900.00	1,507.53	17,592.47
1893	50,000.00			49,957.50	42.50
1894-95	200,000.00		184,750.00	5,732.85	9,517.15
1895-97	500,000.00				
	Prem. 11,775.00		334,900.00	152,727.82	24,147.18
					\$11,775.00
1897-99	500,000.00				
	Prem. 29,002.50		364,500.00	142,846.51	21,655.99
1899-1900	500,000.00				
	Prem. 26,532.50		471,400.00	31,540.85	23,591.65
1900	350,000.00			332,500.00	17,500.00
1903-04	200,000.00				
	Prem. 1,136.10		189,299.00	2,063.17	9,773.93
					201,136.10
1903-06	188,000.00				
	Prem. 1,284.21		145,009.00	37,236.74	7,038.47
1906-08	500,000.00				
	Prem. 11,090.63		351,600.00	133,983.08	25,507.55
1909	100,000.00				
	Prem. 1,000.54			101,000.54	
1911	200,000.00*	Foundations	49,322.81		2,466.14
					51,788.95
	75,000.00*			16,570.04	16,570.04
	\$5,294,821.48		\$3,614,490.38	\$1,258,177.27	\$215,512.82
					\$5,088,180.47

*Contracts and Orders pending will exhaust this appropriation.

AMERICAN MUSEUM OF NATURAL HISTORY

TOTAL EXPENDITURES FOR 10 YEARS

	From Contributions by the City for Maintenance	From Contributions by Trustees and Friends of the Museum for Maint. and Collections	GRAND TOTALS
1903	160,000.00	96,598.32	256,598.32
1904	160,000.00	86,302.38	246,302.38
1905	160,000.00	90,594.79	250,594.79
1906	170,000.00	126,065.35	296,065.35
1907	160,000.00	148,815.58	308,815.58
1908	159,930.62	135,785.26	295,715.88
1909	180,000.00	182,439.86	362,439.86
1910	185,757.00	186,364.87	372,121.87
1911	189,757.00	248,341.48	438,098.48
1912	195,000.00	263,761.60	458,761.60
	<u>\$1,720,444.62</u>	<u>\$1,565,069.49</u>	<u>\$3,285,514.11</u>

The amount estimated for expenditures for 1912 is the approved Budget of \$398,731.92 and available funds in Special Funds as of May 1, 1912.

Estimated Expenditures for 1912

From the City for Maintenance	\$195,000.00
From Contributions by Trustees and Friends of the Museum	<u>263,761.60</u>
Total from all sources	\$458,761.60

*The Total Contributions by Trustees and Friends
exceed the City Appropriation of \$195,000 by*

\$68,761.60

AMERICAN MUSEUM OF NATURAL HISTORY

MAINTENANCE OF MUSEUM BY JOINT EXPENDITURE OF CITY AND TRUSTEES

	Appropriations by the City	Appropriations † by the Trustees	TOTAL
1903	160,000.00	7,368.54	167,368.54
1904	160,000.00	8,158.69	168,158.69
1905	160,000.00	19,506.41	179,506.41
1906	170,000.00	2,924.04	172,924.04
1907	160,000.00	26,828.52	186,828.52
1908	159,930.62	33,475.97	193,406.59
1909	180,000.00	*36,652.01	216,652.01
1910	185,757.00	*43,502.38	229,259.38
1911	189,757.00	*64,131.10	253,888.10
1912	195,000.00	*80,900.00	275,900.00
	<hr/> <u>\$1,720,444.62</u>	<hr/> <u>\$323,447.66</u>	<hr/> <u>\$2,043,892.28</u>

*Beginning in 1909 the sums of money contributed by the Trustees have been paid direct from General Account.

†In the above column of 'Appropriations by the Trustees' are included only items which might legally (Statute of 1905) be paid by the City had appropriations been sufficient. Other administrative expenditures, field salaries, field expenses, pensions, publications, etc., are not included.

AMERICAN MUSEUM OF NATURAL HISTORY

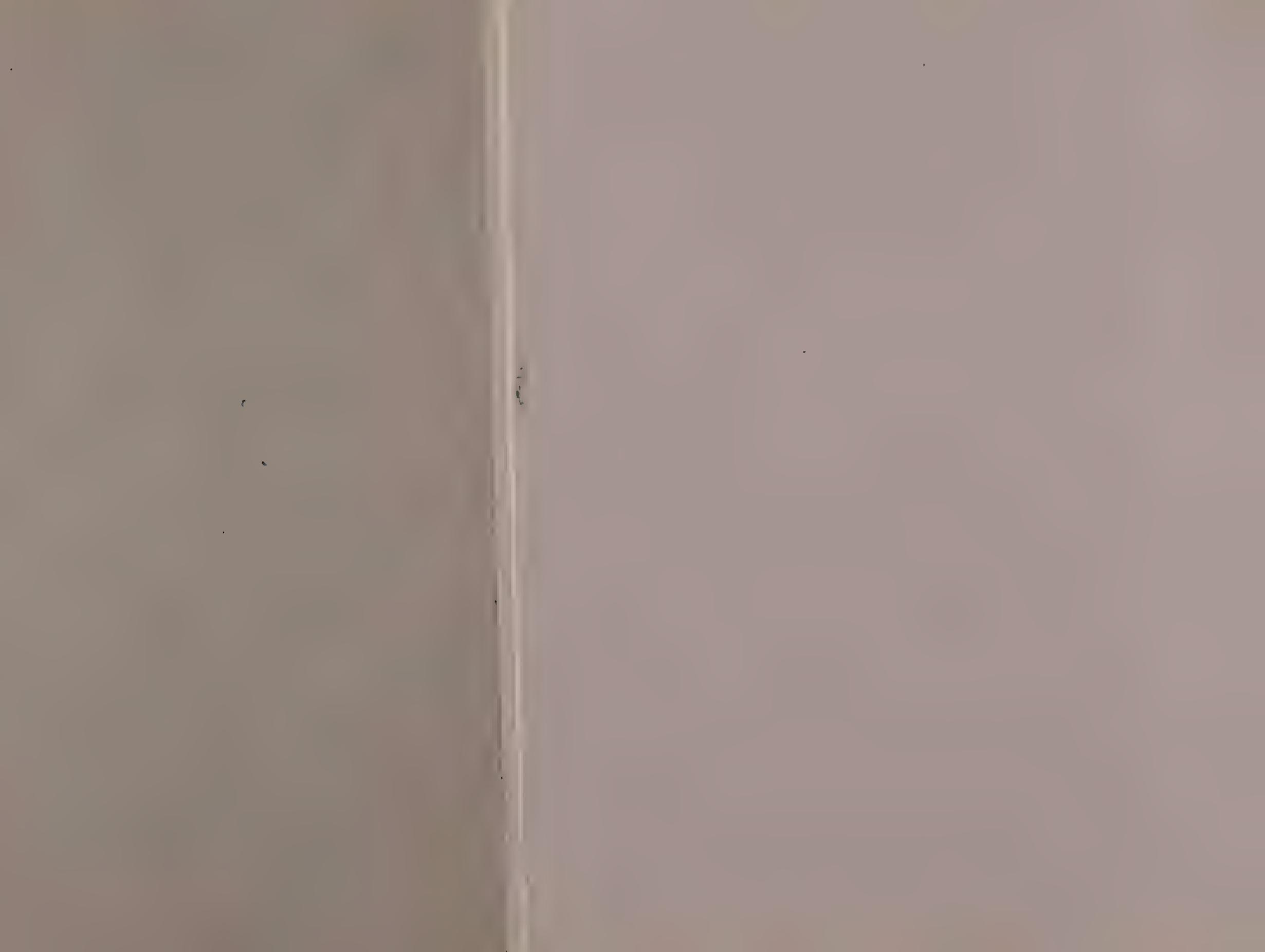
ANALYSIS OF EXPENDITURES IN 1911

	BY THE CITY	By the Trustees and Friends of the Museum	TOTAL
General Administration and Maintenance	\$176,266.22	\$28,856.07	\$205,122.29
Care of Exhibition Halls and Collections	1,919.97	38,824.64	40,744.61
Scientific Publication and Research		39,152.62	39,152.62
Library	7,640.00	9,666.20	17,306.20
Exploration and Purchase of Collections		92,880.16	92,880.16
Museum Extension System to Public Schools	3,930.81	7,024.58	10,955.39
	\$189,757.00	\$216,404.27	\$406,161.27

AMERICAN MUSEUM OF NATURAL HISTORY

STATISTICS OF NUMBERS REACHED BY MUSEUM'S FREE EXTENSION SYSTEM IN 1910 AND 1911

	1910	1911
Board of Education Lectures	43,549	40,067
Children's Lectures	9,242	22,797
Children's Room and Mrs. Roesler's Special Lectures	6,368	7,138
Classes visiting the Museum for General Study	9,284	9,444
Meetings of Scientific Societies and other Meetings and Lectures	58,926	76,132
General Attendance for all purposes	613,152	724,141
Number of Pupils reached by Circulating Collections	839,089	1,253,435
	1,452,241	1,977,576



GROWTH OF THE BUILDING
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY

PLANS FOR FUTURE BUILDING
AND
ARRANGEMENT OF COLLECTIONS

SECOND EDITION

MAY, 1912

Submitted to the
Trustees and Members of the Board of Estimate and Apportionment
by the
President and Building and Plans Committee
May 6, 1912



THE ARSENAL IN CENTRAL PARK. First Home of the Museum, 1870-1877

The Arsenal in Central Park

FIRST HOME OF THE MUSEUM, 1869-1877

Site—Second and third floors of the Arsenal.

President—John David Wolfe.

Mayor—A. Oakey Hall.

Comptroller—Andrew H. Green.

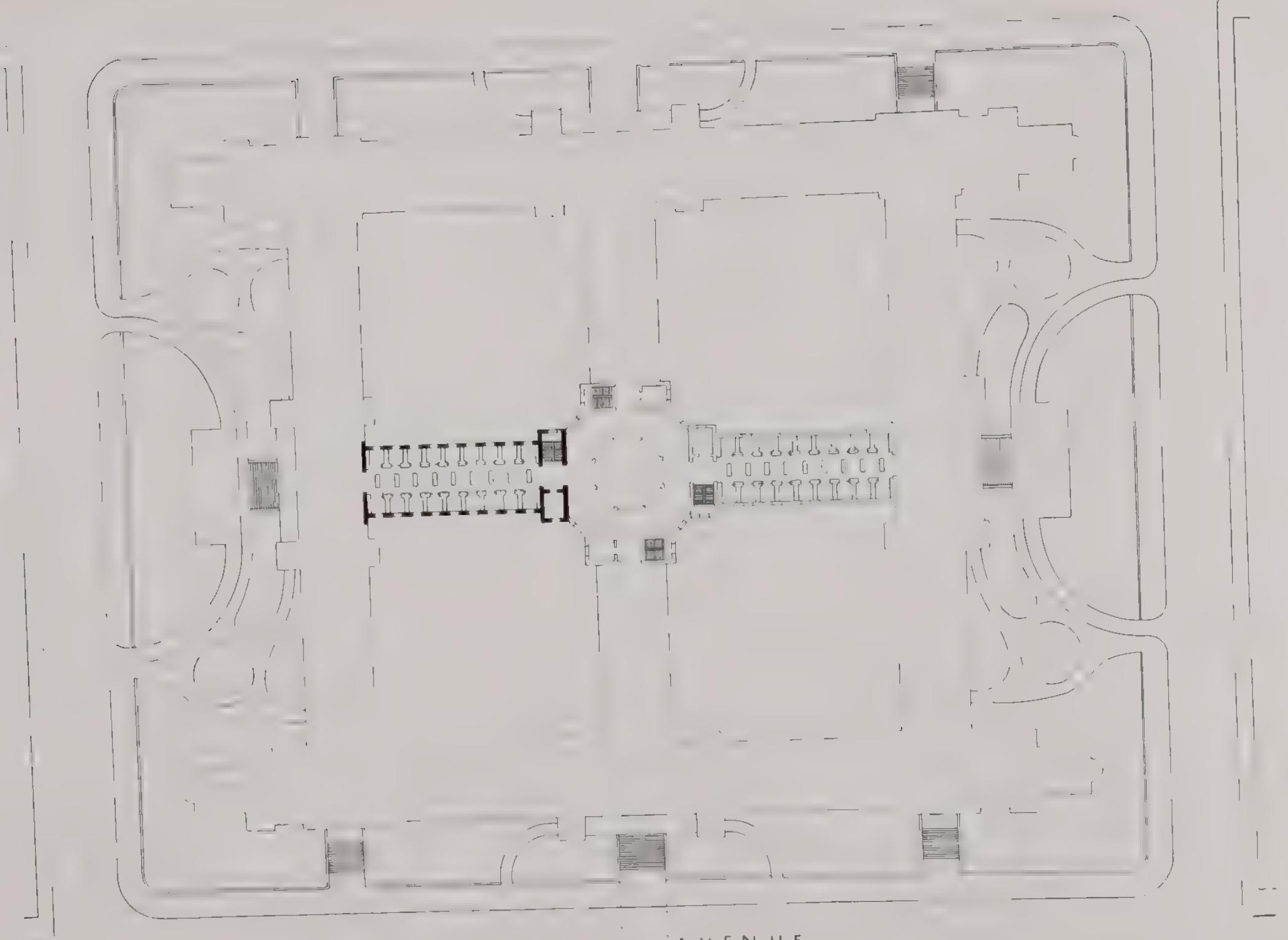
The American Museum of Natural History was founded and incorporated in 1869 for the purpose of establishing and maintaining a Museum and Library of Natural History; of encouraging and developing the study of Natural Science; of advancing the general knowledge of kindred subjects, and to that end of furnishing popular instruction. For eight years its temporary home was in the Arsenal in Central Park.

PREPARATION OF PERMANENT PLANS

In 1871 the Legislature passed an act authorizing the Department of Parks to contract for, erect, and maintain in and upon that portion of the Central Park known as Manhattan Square, or any other public park, square or place in said city, a suitable fireproof building for the purpose of establishing and maintaining therein, under rules and regulations to be prescribed by the said Board from time to time, a museum of natural history to be occupied by the American Museum of Natural History.

Manhattan Square was finally chosen as the site of the Museum building. It comprises about eighteen acres of land, and at that time was quite inaccessible from the lower part of the city. Several architects were invited to submit designs for the building, and finally Calvert Vaux was selected as the architect. His design contemplated for the entire edifice a hollow square whose sides were to be formed of four great buildings 700 feet long, ornate in material and detail, and distinguished by large entrances of architectural dignity and strength.

In general the plan of Mr. Vaux is one that is being followed at the present time.



EIGHTH AVENUE



FACSIMILE OF INDORSEMENT OF OLMFSTED PLAN OF MANHATTAN SQUARE
ON OPPOSITE PAGE

DIAGRAM

Indicating proposed modification of the
design of Central Park, in adaptation to
requirements growing out of the proposed
improvements on Manhattan Square.

September 17th 1875

Fred. Law Olmsted
Scand... Architect.

In Board, September 17. 1875 —
Approved and the design provisionally —
adopted, except in respect to the archway, foot —
approaches to Manhattan Square. —

W^m Irwin
Secretary D. P. P.



THE MUSEUM. South Transept. The first portion of the Museum and a part of Manhattan Square
as they appeared in 1877-1889

The Museum—South Transept

President—Robert L. Stuart.

Mayors—A. Oakey Hall (1869-1872). William H. Wickham (1875-1876).

Comptroller—Andrew H. Green.

Park Commissioner—Henry G. Stebbins (1871).

Corner-stone laid by President U. S. Grant, June 2, 1874.

Construction period, 1874-1877.

Appropriation by the City, Chapter 290, Laws of 1871	\$500,000.00		
	200,000.00	\$700,000.00	
Appropriation by the City, Chapter 315, Laws of 1875	8287,844.50		
Contract price for iron work	131,483.00		
Contract price for mason's work			
Balance for plastering, plumbing, heating, lighting, tiling, cases, painting, etc.	280,675.50	\$700,000.00	
Contract awarded, July 24, 1873.			
Last payment, August 2, 1877.			
Floor area, 71,426 square feet, including cellar and attic used as storage rooms.			

Architect—Calvert Vaux.



THE MUSEUM. Central Section of South Façade. 1889-1893

Central Section of South Façade
 (SOUTH ENTRANCE)

President—Morris K. Jesup.

Mayors—Abram S. Hewitt (1887–1888). Hugh J. Grant (1889–1892).

Comptrollers—Edward V. Loew (1887). Theodore W. Meyers (1889–1893).

Park Commissioners—M. C. D. Borden (1887). J. Hampden Robb (1889).

Appropriation by the City, Chapter 44, Laws of 1887, for Central Section and East Transept	\$100,000.00
Appropriation by the City, Chapter 89, Laws of 1889, for West Transept, stoop and entrance	100,000.00 \$800,000.00
Contract price for building Central Section and East Transept	\$338,254.50
Balance for excavation, cases, etc.	<u>61,745.50</u> \$400,000.00
Contract awarded, October 8, 1888.	
Last payment, May 12, 1891.	
Contract price for building West Transept, stoop and entrance	\$339,291.54
Balance for cases, fees, etc.	<u>60,708.46</u> 100,000.00 \$800,000.00
Contract awarded, February 4, 1890.	
Last Payment, September 23, 1891.	
Floor area, 69,405 square feet, including cellar and attic used for storage.	

Architect—J. O. Cady & Co.



THE MUSEUM. East Wing of South Façade, 1893-1895

East Wing of South Façade

President—Morris K. Jesup.

Mayors—Hugh J. Grant (1889–1892). Thomas F. Gilroy (1893–1894).

Comptrollers—Theodore W. Meyers (1889–1893). Ashbel P. Fitch (1894–1897).

Park Commissioners—Paul Duna (1892). A. B. Tappen (1893). George C. Clausen (1894).

Appropriation by the City, Chapter 423, Laws of 1892		\$350,000.00
Appropriation by the City, Chapter 448, Laws of 1893		50,000.00
Appropriation by the City, Chapter 63, Laws of 1894		200,000.00 \$600,000.00
Contract price for building	\$330,900.00	
Balance for fees, etc.	19,100.00	\$350,000.00
Contract awarded, July 19, 1893.		
Last payment, August 26, 1895.	848,103.36	
Reimbursement amount	1,896.64	50,000.00
Balance for fees, etc.		
Contract price for building	\$184,750.00	
Balance for fees, etc.	15,250.00	200,000.00 \$600,000.00
Contract awarded, June 29, 1894.		
Last payment, September 3, 1895.		
Floor area, 52,998 square feet, including cellar used for storage.		

Architect—J. C. Cady & Co.

* This amount was paid to the Trustees in reimbursement for payments made for several years for leases, repairs, etc., to various portions of entire building.

† Completion of enlargement (refers principally to the East Wing).



Southwest Corner Wing

West Wing

Central Section—South Entrance

East Wing

Southeast Corner Wing

THE MUSEUM. South Façade. Exterior completed in 1899

West Wing of South Façade

President—Morris K. Jesup.

Mayor—William L. Strong.

Comptroller—Ashbel P. Fitch.

Park Commissioner—David H. King.

Appropriation by the City for West Wing, Chapter 235, Laws of 1895		\$500,000.00	
Premium from sale of bonds	-	11,775.00	\$511,775.00
Contract for building	-	8344,900.00	
Balance for cases, fees, repairs, etc.	-	166,875.00	\$511,775.00
Contract awarded, October 1, 1895.			
Last payment, June 28, 1897.			
Floor area, 52,998 square feet, including cellar used for storage.			

Architect—J. C. Cady & Co.

Southeast Corner Wing

President—Morris K. Jesup.

Mayor—William L. Strong.

Comptroller—Ashbel P. Fitch.

Park Commissioner—S. Van Rensselaer Cruger.

Appropriation by the City for Southeast Corner Wing, Chapter 175, Laws of 1896	-	-	\$500,000.00
Premium from sale of bonds	-	-	29,002.50
Contract for building	-	-	\$364,500.00
Balance for cases, repairs, fees, etc.	-	-	164,502.50
			\$529,002.50

Contract awarded, September 2, 1897.

Last payment, December 7, 1899.

Floor area, 49,416 square feet, including cellar and two attics used for storage.

Architect—Cady, Berg & See.

Southwest Corner Wing

President—Morris K. Jesup.

Mayor—William L. Strong.

Comptroller—Ashbel P. Fitch.

Park Commissioner—Samuel McMillan.

Appropriation by the City for Southwest Corner Wing and Lecture Hall, Chapter 213, Laws of 1897 -	-	-	-	-	\$500,000.00	
Premium on sale of bonds	-	-	-	-	<u>26,532.50</u>	8526,532.50
Contract price for Southwest Wing	-	-	-	-	\$362,500.00	
					108,000.00	

Contract price for Lecture Hall - - -
Balance used for fees, furnishing, repairs, etc. - -
Contract awarded for Southwest Wing, October 14, 1897.

Last payment for Southwest Wing, December 8, 1899.

Last payment for Southwell Hall,
Contract awarded for Lecture Hall, October 6, 1899.

Contract awarded for Lecture Hall, Sec. 1

Last payment, 1900.

Floor area of Southwest Corner Wing, including two attics used for storage, 1,100 sq. ft.

Floor area of Lecture Hall, 15,954 square feet.

Seating capacity of Lecture Hall, 1,500.

Architect—Cady, Berg & See.

Supplementary Equipment and Casing of South Façade

President—Morris K. Jesup.

President—Morris K. Jesup.
Mayer—Robert A. Van Wyck.

Comptroller—Bird S. Coler.

Comptroller—Bird S. Cox.
Park Commissioner—George C. Clausen.

Park Commissioner—George C. Vasey
Appropriation by the City for the completion of buildings, cases, painting, tiling, pedestals,
and equipping new building (Southwest Wing), as the contract was for the building
without sash, trim, tile, painting, etc., and also for the repairs and alterations to all the
buildings constructed at that time, Chapter 185, Laws of 1900



THE MUSEUM.—REAR VIEW OF BUILDING. † Heating and Lighting Plant. (⊕) Lecture Hall

Heating and Lighting Plant

President—Morris K. Jesup.

Mayor—Seth Low.

Comptroller—Edward M. Grout.

Park Commissioner—William R. Wilcox.

Appropriation by the Board of Aldermen for the construction and installation of a new Heating and Lighting Plant, July 22, 1902	\$200,000.00		
Premium from sale of bonds	1,136.10	\$201,136.10	
Contract price for building	<u>\$189,299.00</u>		
Balance for fees, etc.	<u>11,837.10</u>		
Floor area of Engine Room, 13,206 square feet.			
Floor area of Pump and Boiler Room, 8,094 square feet.			
Floor area of Approaches, 6,288 square feet.			
Contract awarded, May 18, 1903.			
Last payment, November 14, 1904.			
Architect—Charles Volz.			

Supplementary Equipment, Casing and Construction

President—Morris K. Jesup.

Mayor—Seth Low.

Comptroller—Edward M. Grout.

Park Commissioner—William R. Wilcox.

Appropriation by the Board of Aldermen for the completion of the unfinished portions of the building, June 16, 1903	\$188,000.00		
Premium from sale of bonds	1,284.21	\$189,284.21	



THE MUSEUM. South Wing of West Façade

South Wing of West Façade, Service Road and Fire Lines

President—Morris K. Jesup.

Mayor—George B. McClellan.

Comptroller—Edward M. Grout.

Park Commissioner—John J. Pallas.

Appropriation by the Board of Aldermen for the equipping and finishing of the buildings and the construction of additions thereto, April 11, 1905	\$500,000.00		
Premium from sale of bonds	11,090.63	\$511,090.63	
Contract price for South Wing of West Façade	325,600.00		
Contract price for Service Road	26,000.00		
Contract price for Fire Lines (entire South Façade)	19,838.00		
Balance for equipment, etc.	139,652.63		\$511,090.63

Main contract awarded, May 22, 1906.

Last payment, June 6, 1908.

Floor area, 64,163 square feet, including cellar and attics used for storage and workshops.

Architect—Charles Volz.

Casing, Equipment and Construction, Chiefly of South Section of West Façade

President—Henry Fairfield Osborn.

Mayor—William J. Gaynor.

Comptroller—William A. Prendergast.

Park Commissioner—Charles B. Stover.

Appropriation by the Board of Aldermen, July 13, 1909	\$100,000.00
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THE MUSEUM IN 1912

Summary of Appropriations and Floor Areas, 1869-1912

		<i>Appropriations and Premiums</i>		
Chapter 290, Laws of 1871	-	8500,000.00		
Chapter 315, Laws of 1875	-	200,000.00	South Transept	71,426 square feet
Chapter 44, Laws of 1887	-	100,000.00		
Chapter 89, Laws of 1889	-	400,000.00	South Entrance	69,405 square feet
Chapter 185, Laws of 1900	-	350,000.00		
Chapter 423, Laws of 1892	-	350,000.00	East Wing	52,998 square feet
Chapter 448, Laws of 1893	-	*50,000.00	West Wing	52,998 square feet
Chapter 63, Laws of 1894	-	200,000.00	Southeast Corner Wing	49,416 square feet
Chapter 235, Laws of 1895	-	511,775.00	Southwest Corner Wing	49,416 square feet
Chapter 175, Laws of 1896	-	529,002.50	Lecture Hall	15,954 square feet
Chapter 213, Laws of 1897	-	526,532.50	Heating and Lighting Plant	21,300 square feet
Ordinance, Board of Aldermen, July 22, 1902		201,136.10	Approaches	6,288 square feet
Ordinance, Board of Aldermen, June 16, 1903		*189,284.21		
Ordinance, Board of Aldermen, April 11, 1905		511,090.63	South Wing, West Façade	64,163 square feet
Ordinance, Board of Aldermen, July 13, 1909		101,000.54		153,364 square feet
				or 10.107 acres of erected buildings
Ordinance, Board of Aldermen, July 31, 1911		200,000.00	For construction of a foundation for the Southeast Wing and Court Building	
Ordinance, Board of Aldermen, July 31, 1911		75,000.00	For permanent improvements	
Grand total	-	85,294,821.48		

*This amount was paid to the Trustees in reimbursement for payments made for several years for cases, repairs, etc., to various portions of entire building.

**This amount was expended for the completion of the unfinished portions of the building.

Comparative Cost of Public Buildings

American Museum of Natural History, New York, to 1912	-	-	-	-	\$5,294,821.48
Metropolitan Museum of Art, New York, to 1912	-	-	-	-	5,882,000.00
Brooklyn Institute of Arts and Sciences	-	-	-	-	3,265,054.60
New York Zoölogical Park	-	-	-	-	2,139,500.00
New York Public Library	-	-	-	-	9,000,000.00
College of the City of New York, including grounds and equipment	-	-	-	-	5,500,000.00
New Municipal Building, New York	-	-	-	-	15,000,000.00
Speedway	-	-	-	-	3,095,000.00
Hall of Records, New York	-	-	-	-	5,613,699.00
School Buildings of New York City—Total for Construction and Equipment 1895-1911	-	-	-	-	102,816,886.37
Carnegie Institute, Pittsburgh, Pa.	-	-	-	-	6,120,000.00
Library of Congress, Washington, D. C.	-	-	-	-	6,347,000.00
United States National Museum, Washington, D. C.	-	-	-	-	3,500,000.00

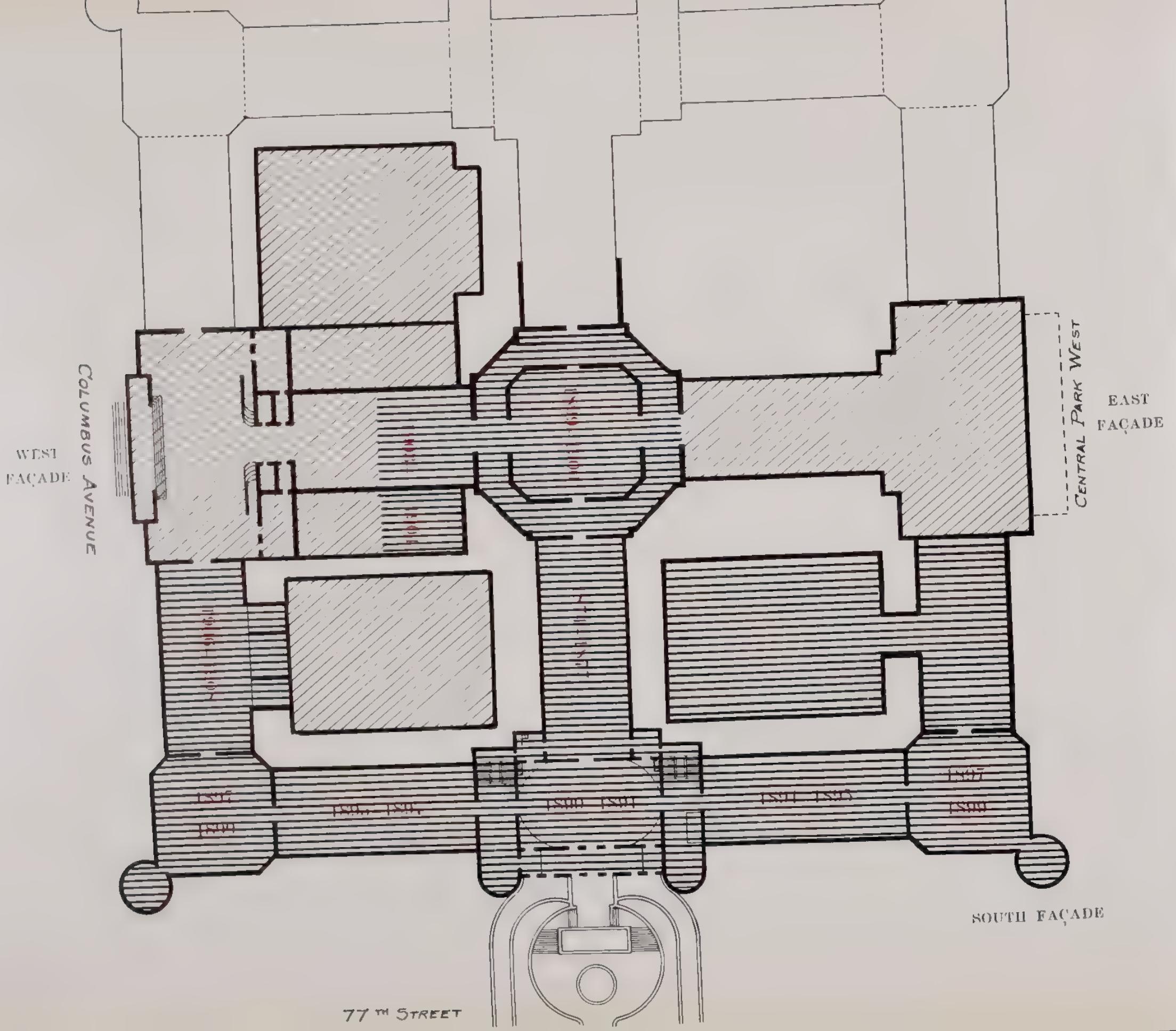


DESIGN FOR NEW EAST FAÇADE OF THE MUSEUM FACING CENTRAL PARK
(Preliminary Sketch by Trowbridge & Livingston, Architects, submitted to the Trustees May 8, 1911)

Plans for Extension of the Museum

The design presented on the opposite page is a preliminary study by Messrs. Trowbridge and Livingston, architects, for the new East Façade of the Museum, facing Central Park. The design has not been adopted either by the Committee on Building and Plans or by the Trustees, but its preparation at this stage is welcomed because of the opportunity which it affords for a prolonged and careful consideration of the artistic requirements of a monumental building, and of the scientific and educational requirements of ideally related exhibits within the building. The design of the East Façade contemplates the future incorporation of the Museum within the general design of Central Park by the construction of a broad entrance roadway from the West Drive.

In the design of this Eastern Façade, the architects have endeavored to retain the general Romanesque architecture of the Southern Façade, while modifying it in the direction of greater simplicity. It is obvious that a building of the vast proportions contemplated in the original plans of Calvert Vaux in 1871, and authorized by the Legislature in connection with the setting aside of Manhattan Square, must have an entrance of monumental size, and that this entrance must have a broad and dignified avenue of approach.



Building Plan Adopted by Trustees

Extract from the Minutes of the Board of Trustees

It was voted that the Trustees do hereby adopt the architectural plan for the extension of the Museum Building to be designed by the architect of the Board, and the Museum is recommended to the Presidents, Vice and Senior Courts, as approved by the Board, and the same is referred to the Board of Education.

Resolved, That the Executive Committee be hereby empowered to present this architectural plan to the Board of Education, and to have the same submitted to the Board of Education and Appropriate Authorities for **GROUND FLOOR** approval, the same to be known as the **Second Floor**, and the same to be known as the **Third Floor**.

SECOND FLOOR PLAN OF THE MUSEUM BUILDING

(See sketch of the Museum Building)

Exterior dimensions of the building are to be as follows:

Length of front - 100 feet.

1. Second Wing addition Building of the Fourth floor to be built

a. West Room

b. West Porch

c. East Porch

d. East Room

e. Central Room

2. To increase the capacity of the Auditorium of the Museum in 1911 to the extent of 100 seats.

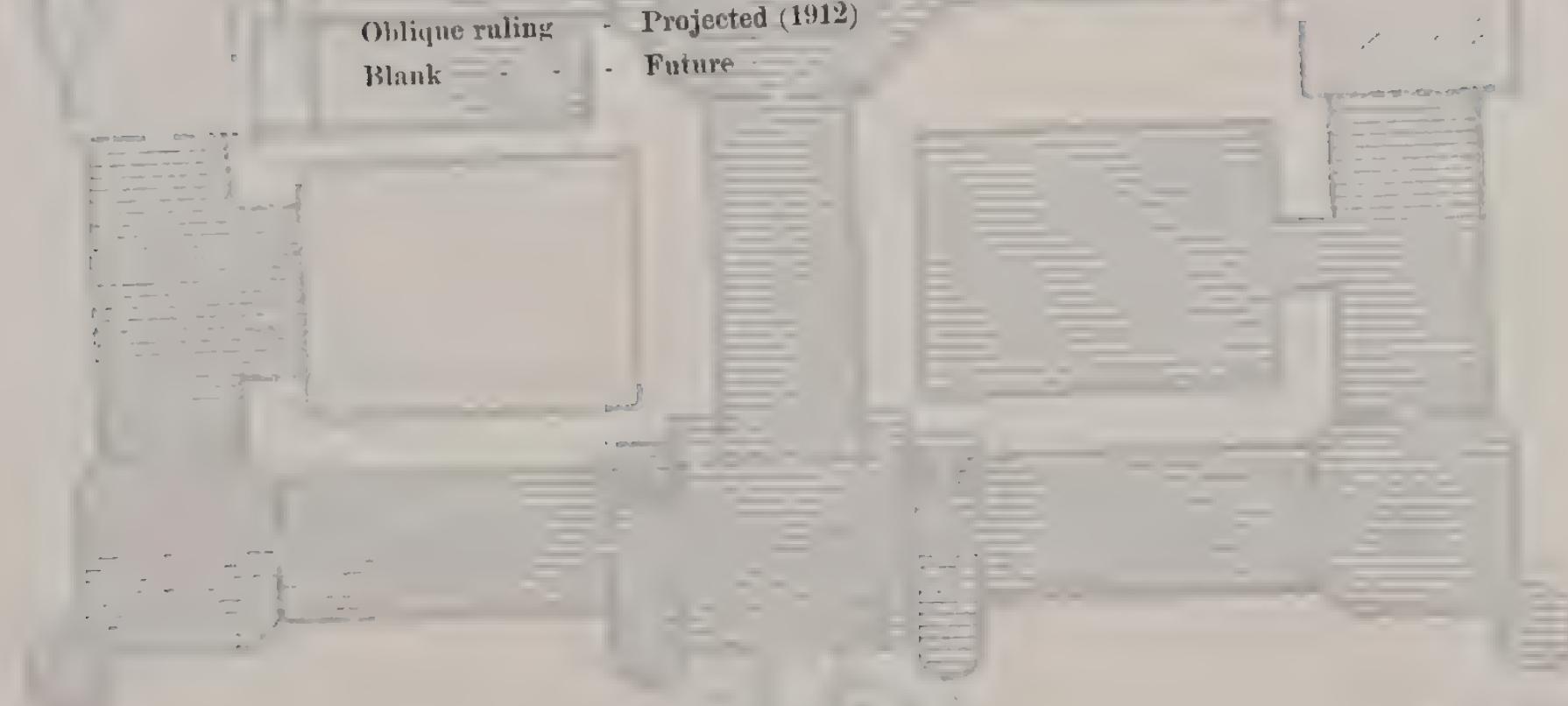
3. Face to face galleries.

4. To increase the capacity of the Auditorium of the Second Wing and South Porch the same to the extent of 100 seats.

5. To increase the capacity of the Auditorium of the Second Wing and South Porch the same to the extent of 100 seats.

GROUND PLAN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY

Horizontal ruling - Completed or contracted for
Oblique ruling - Projected (1912)
Blank - Future



Building Plan Adopted by Trustees

Extract from the Minutes of the Meeting of May 8, 1911:

RESOLVED, That the Trustees hereby adopt the general features of the ground plan for the extension of the Museum, as recommended in the President's *Plan and Scope Report*, as approved by the Building and Plans Committee of 1910 and as presented by the Building and Plans Committee of 1911.

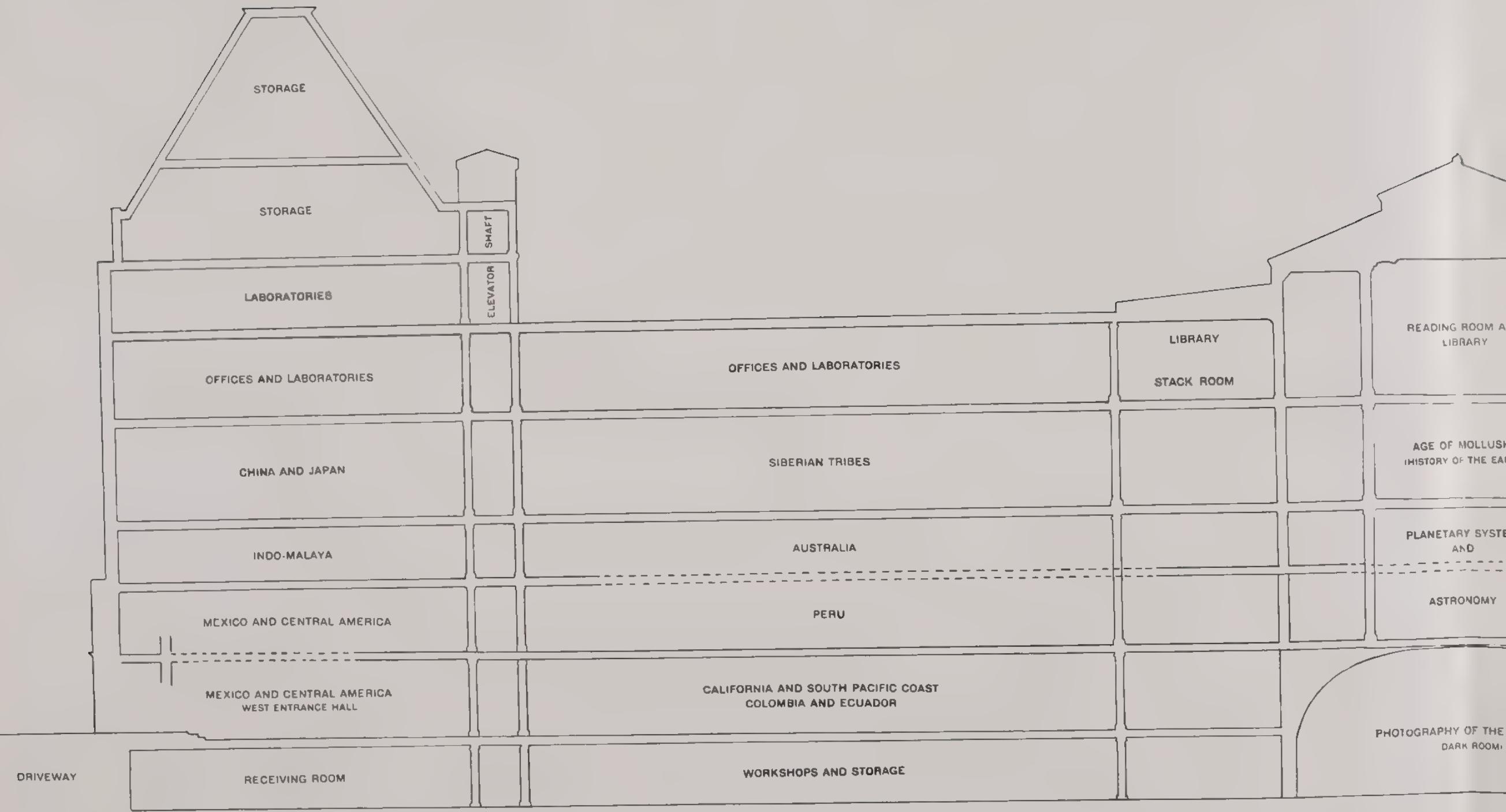
RESOLVED, That the Executive Committee is hereby empowered to present this ground plan to the Board of Estimate and Apportionment at their coming meeting as expressing the judgment of the Trustees as to the wisest development of the Museum building during the next decade.

That the Trustees recommend to the Board of Estimate and Apportionment the construction of the building surrounding the two south courts, namely:

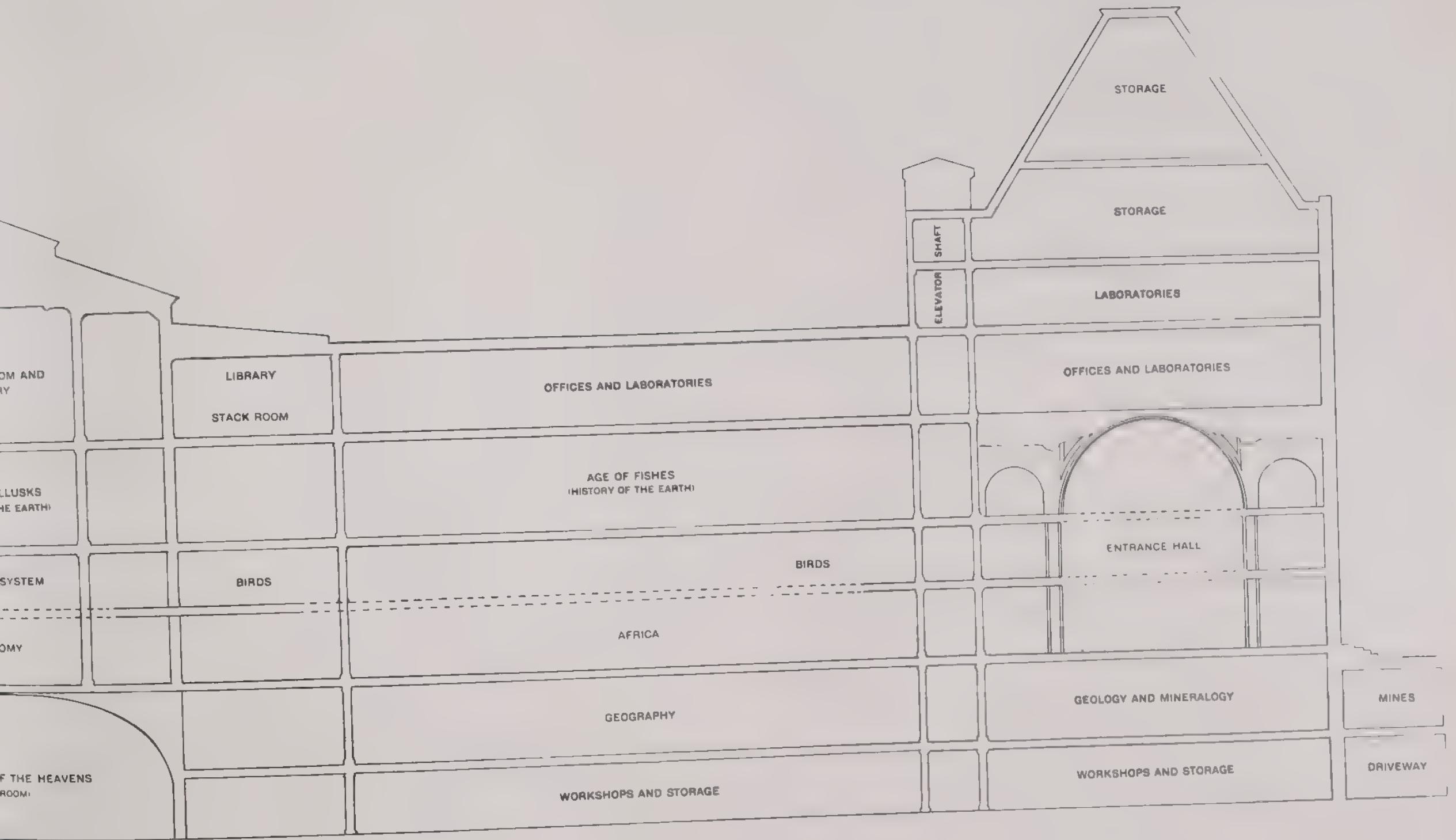
1. Southeast Wing and Court Building of the East Façade,
2. West Façade Entrance,
3. West Transept,
4. East Transept,
5. East Façade Entrance,
6. Central Rotunda,

in time to celebrate the fiftieth anniversary of the founding of the Museum in 1919, by the opening of the East Façade Entrance.

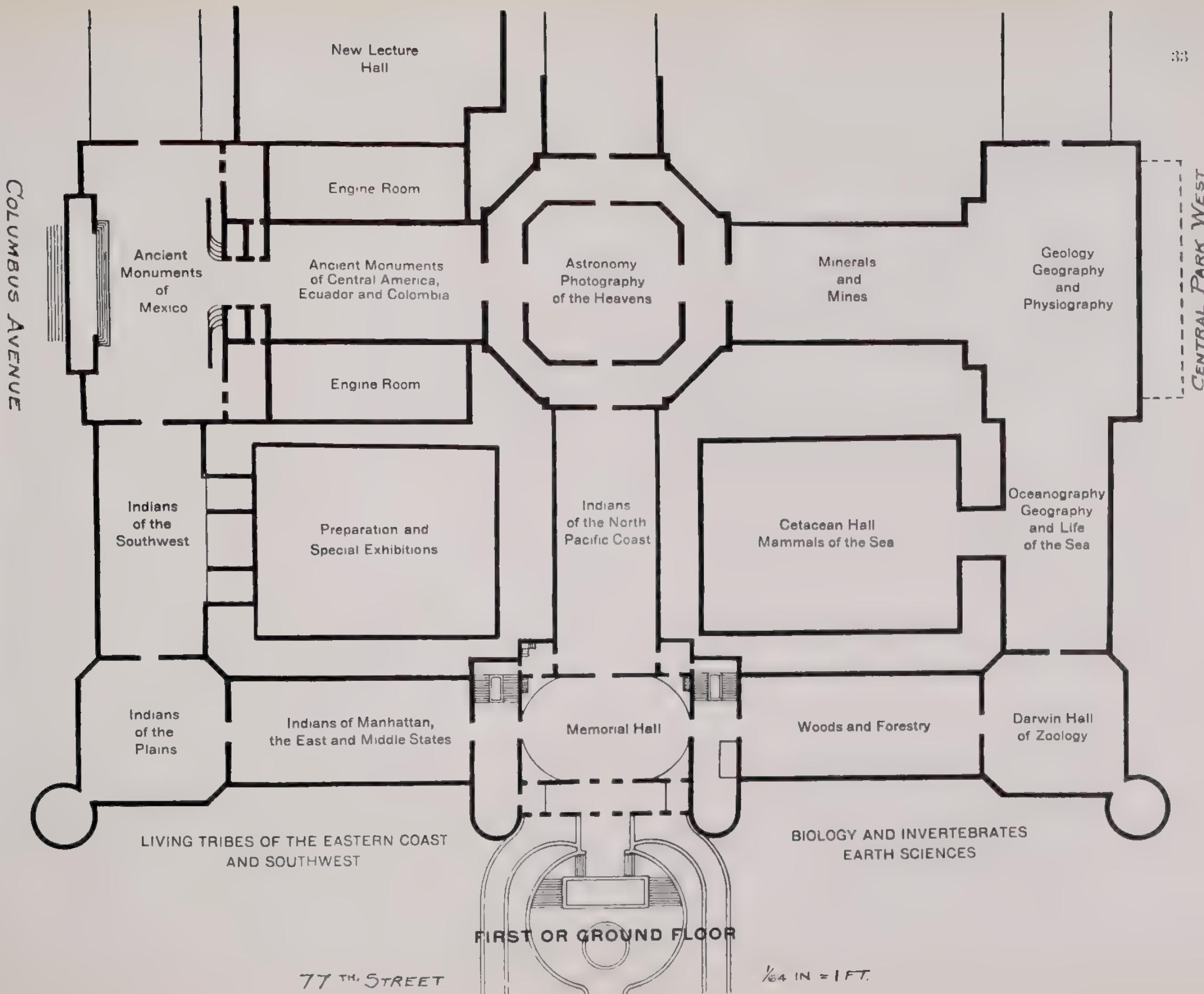
That the Trustees recommend the immediate erection of the Southeast Wing and Southeast Court Building.

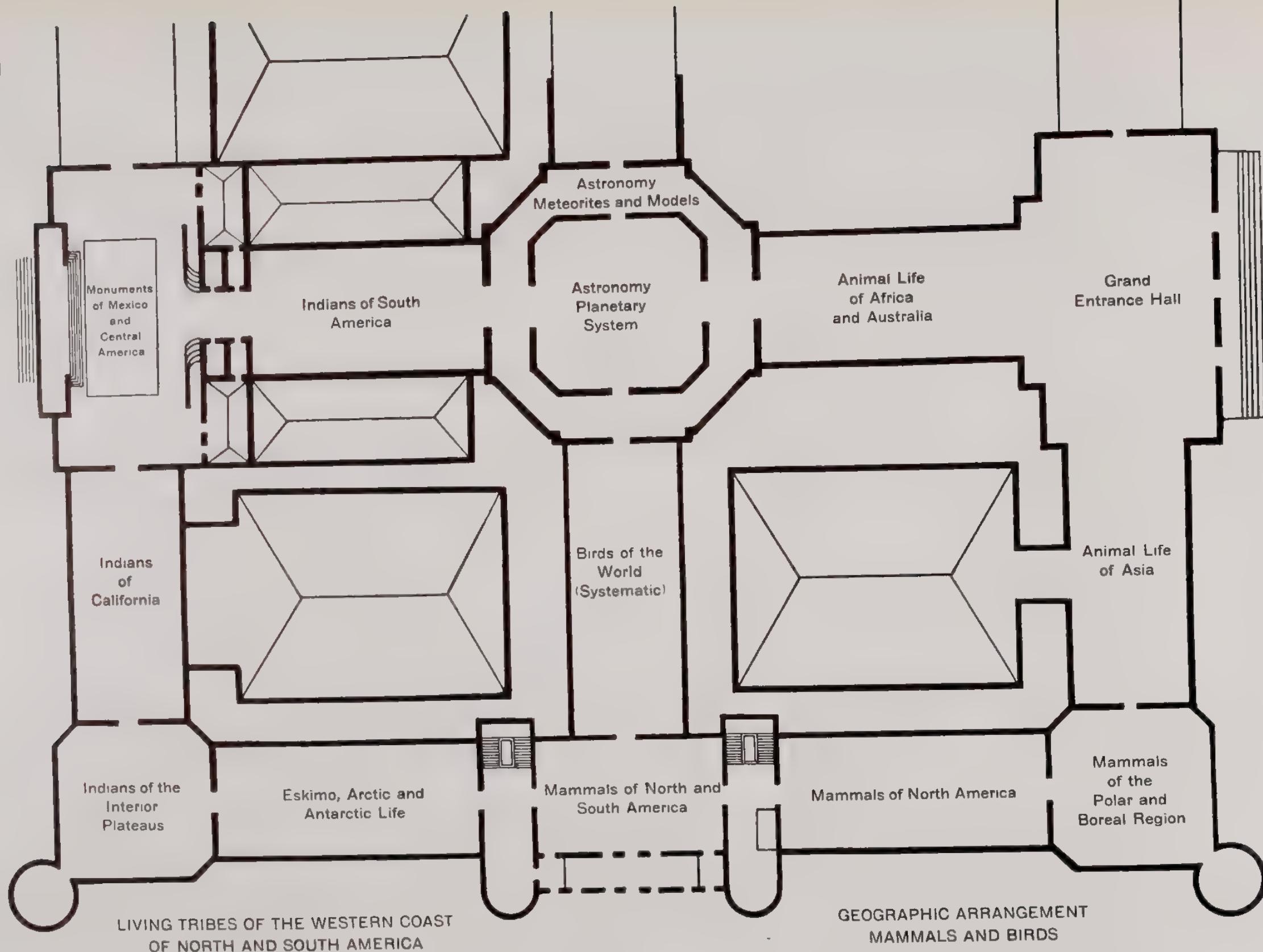


EAST AND WEST SECTION THROUGH C



THE FOLLOWING PAGES PRESENT THE
PROPOSED ARRANGEMENT OF EXHIBITS AND COLLECTIONS
IN THE
BUILDING AS CONSTRUCTED AND AS PROJECTED FOR THE
IMMEDIATE FUTURE





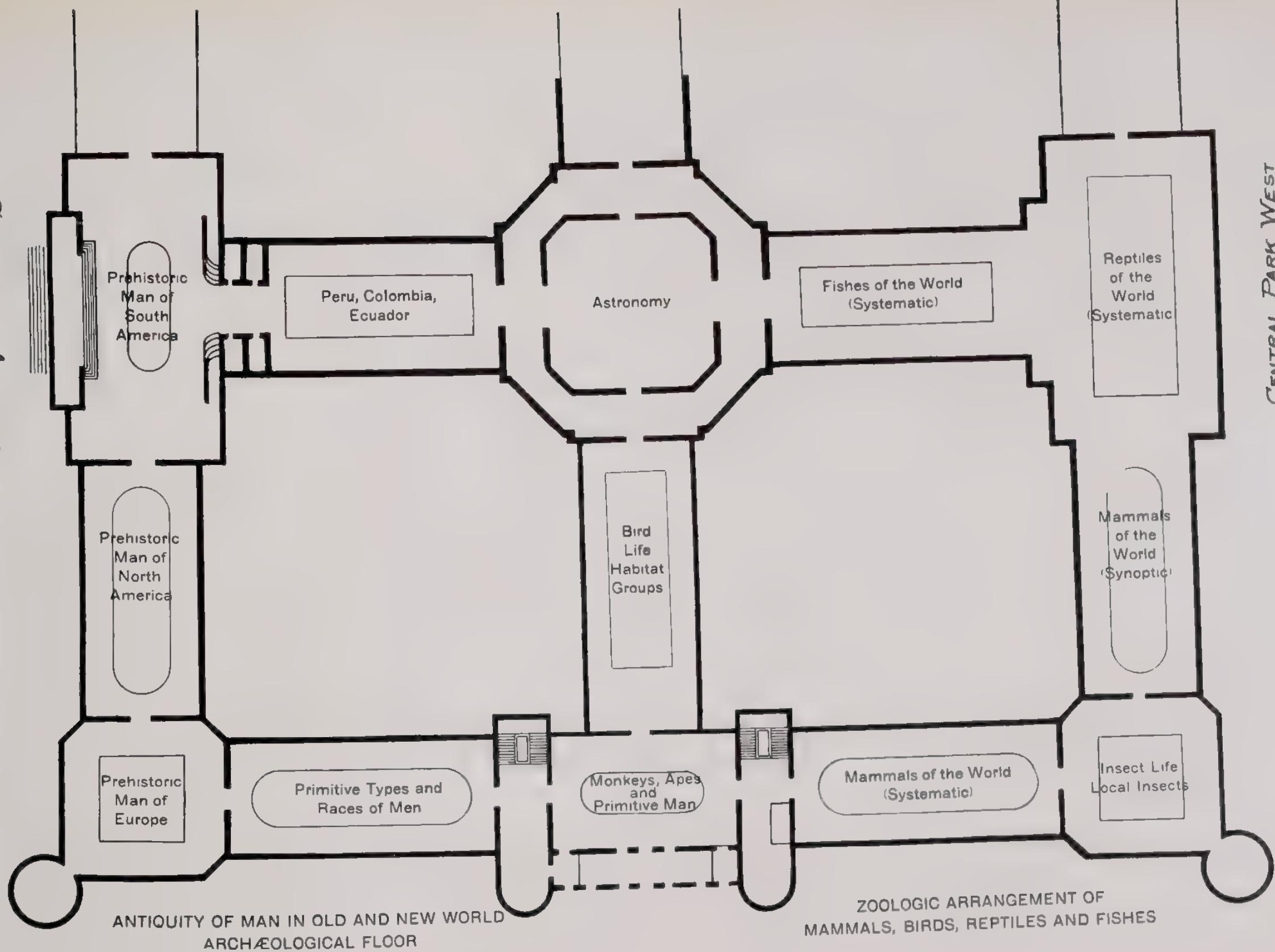
SECOND FLOOR

77TH STREET

1/64 IN. = 1 FT.

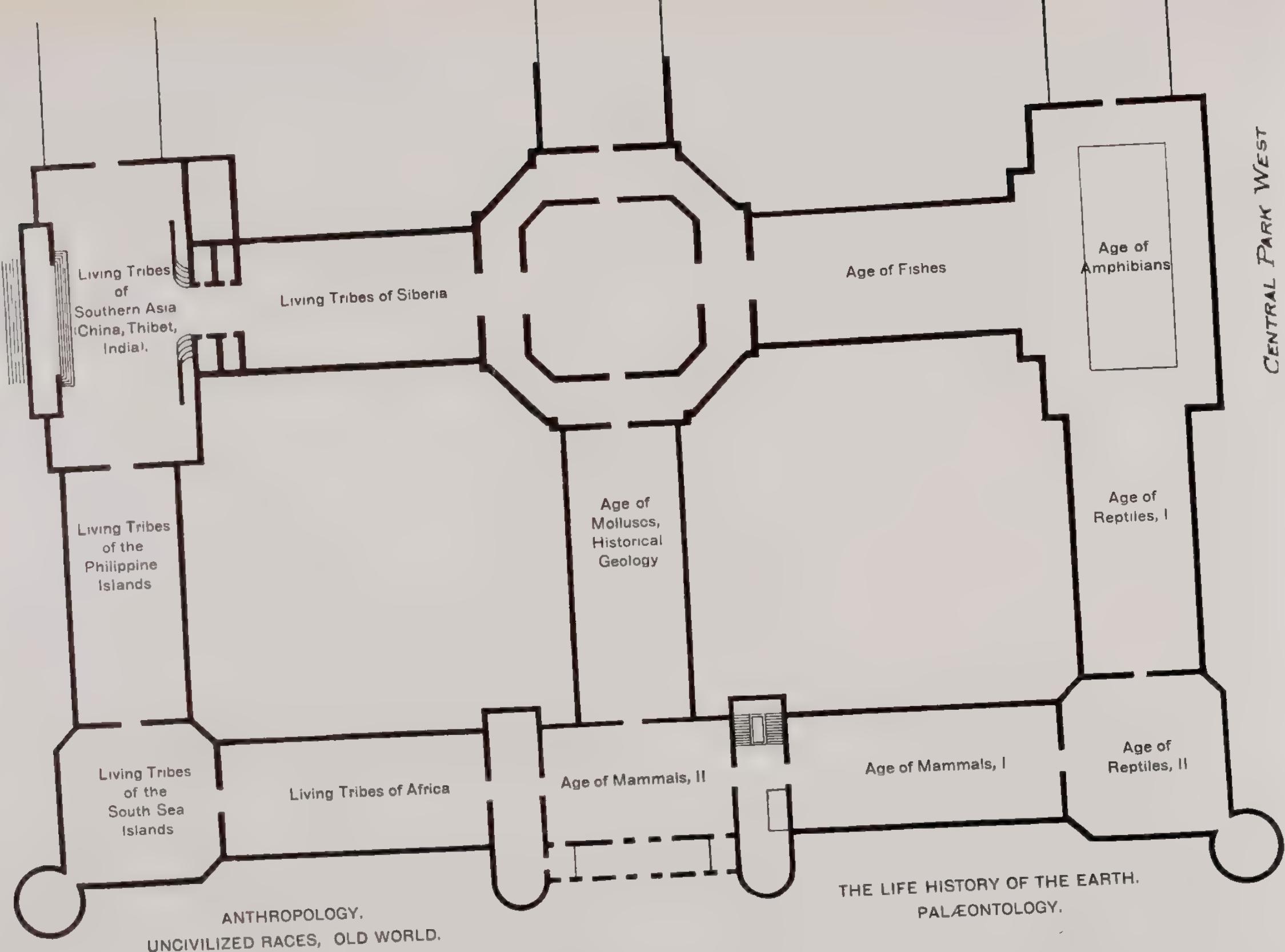
COLUMBUS AVENUE

CENTRAL PARK WEST



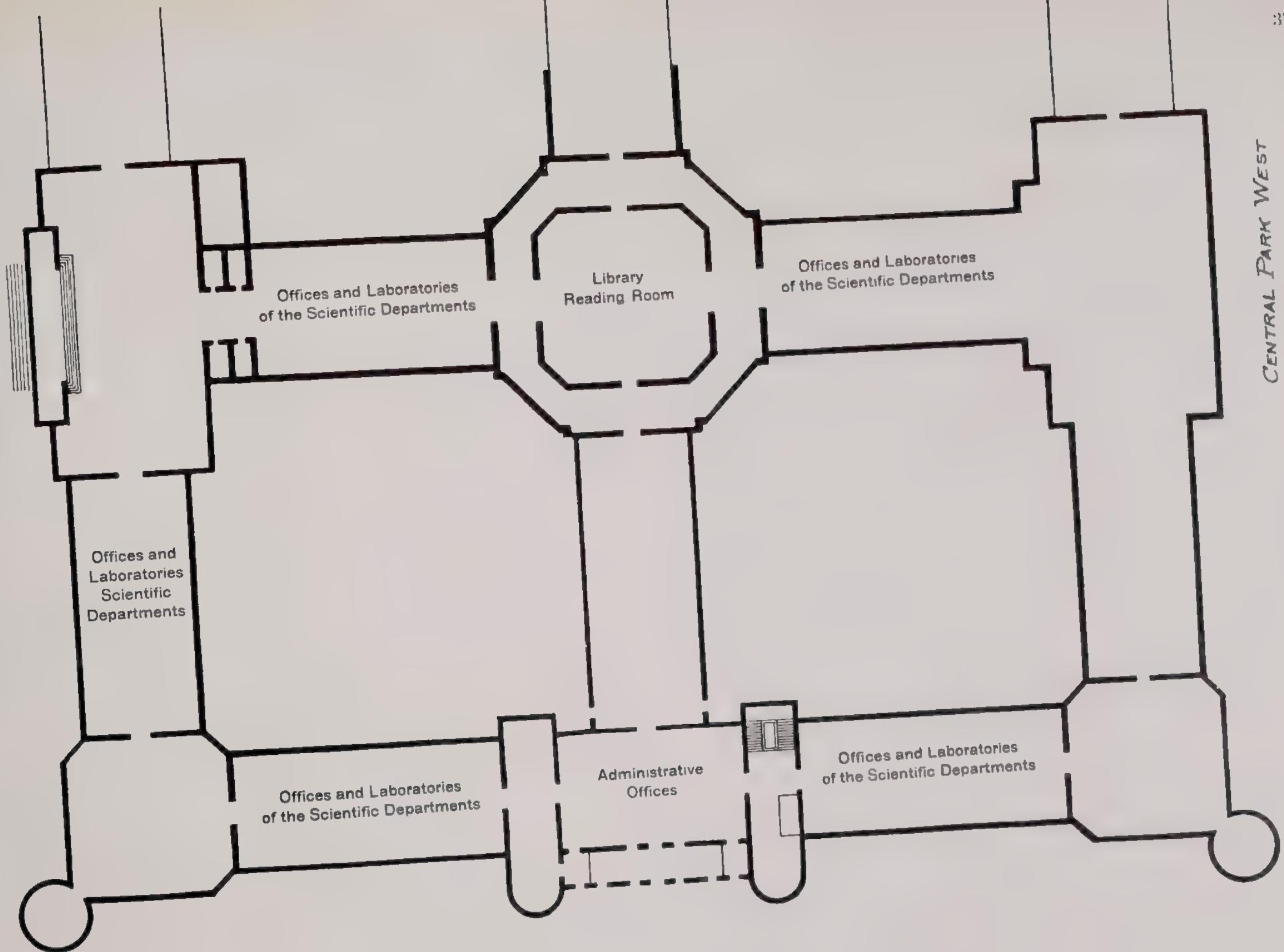
THIRD FLOOR

77TH STREET



COLUMBUS AVENUE

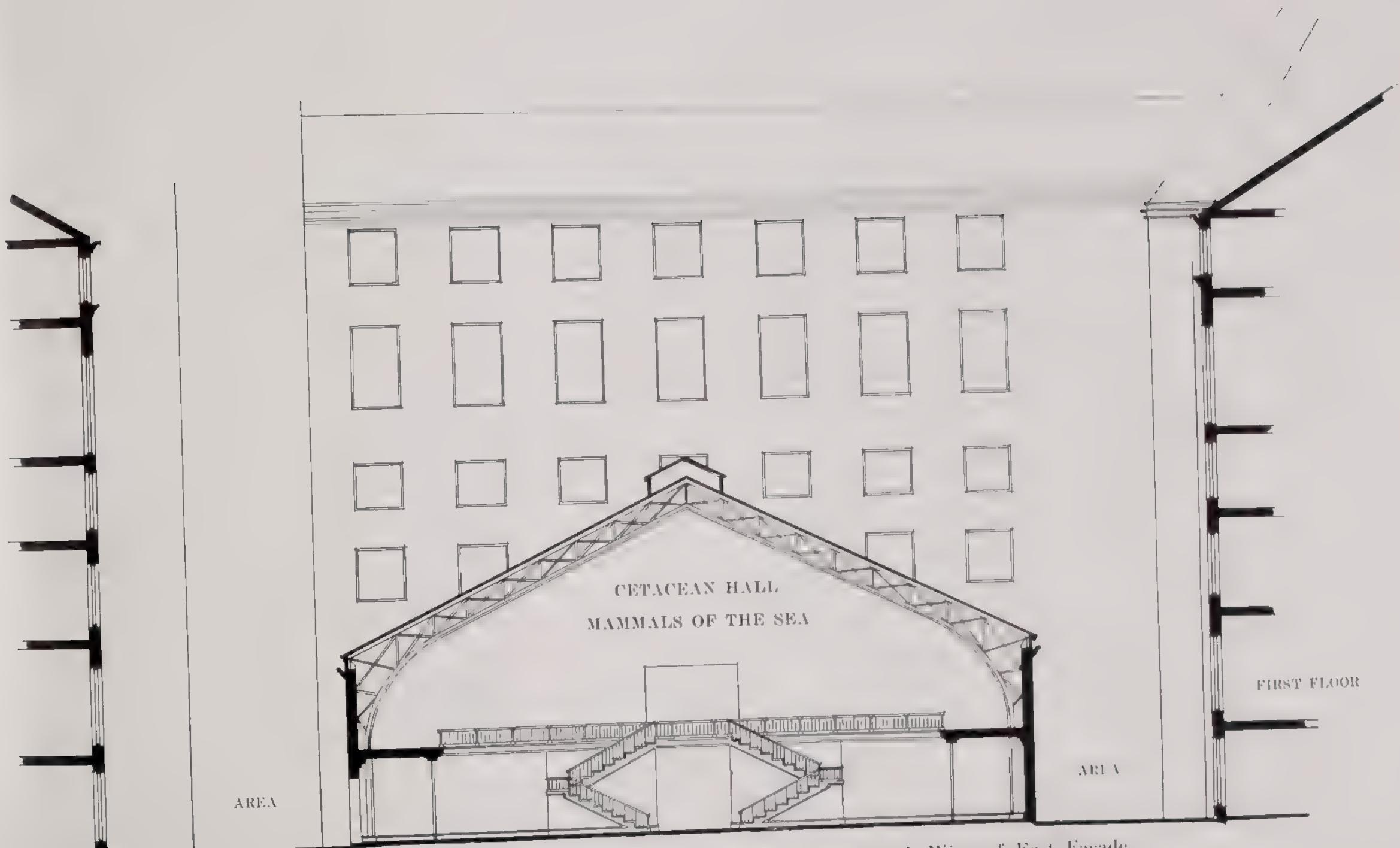
CENTRAL PARK WEST



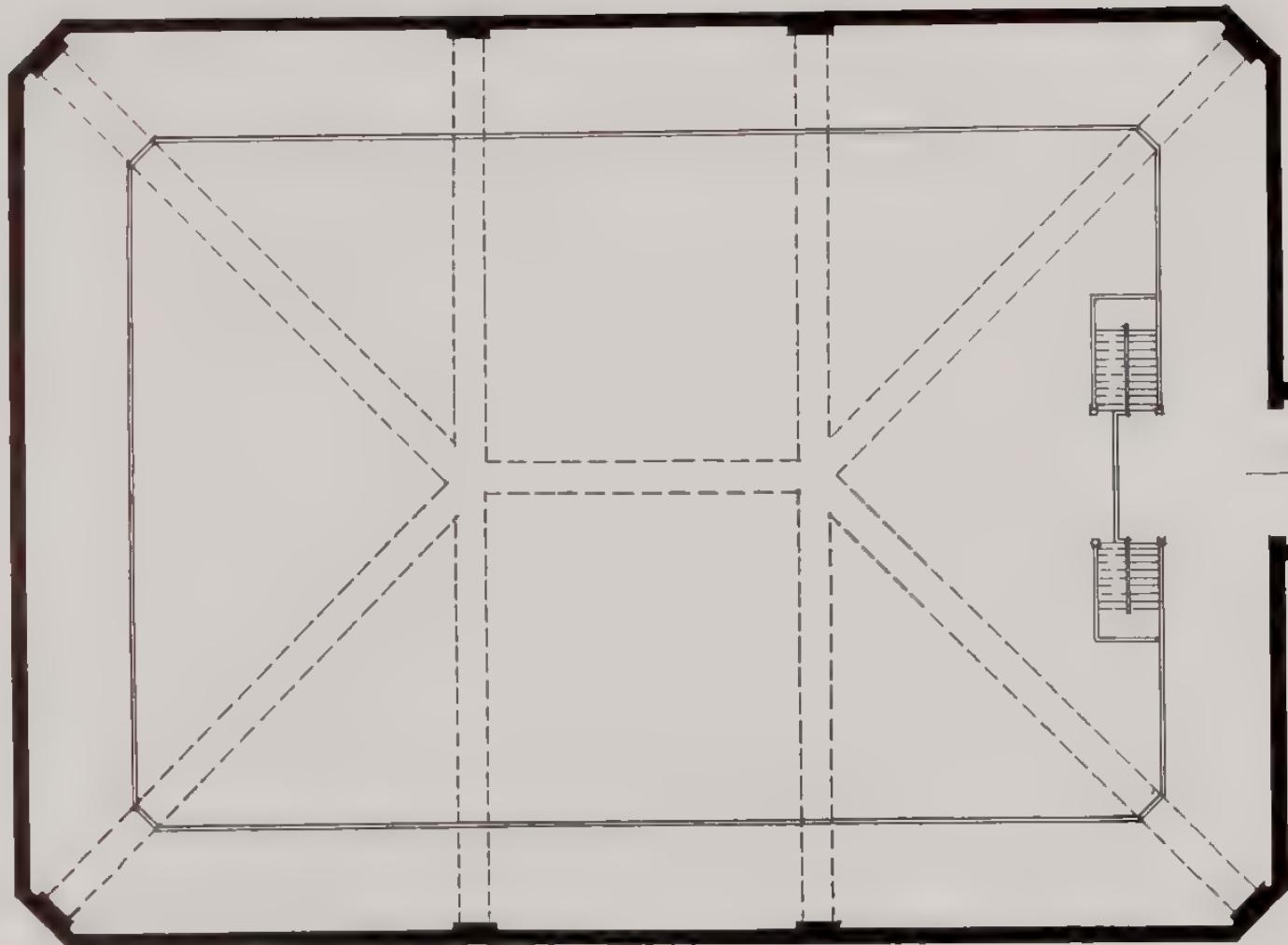
FIFTH FLOOR

77TH STREET $\frac{1}{64}$ IN = 1 FT.

THE FOLLOWING PAGES PRESENT THE
DETAILED PLANS FOR SOUTH WING OF EAST FAÇADE
AND COURT BUILDING
NOW UNDER CONSTRUCTION
INCLUDING
ARRANGEMENT OF EXHIBITIONS UNTIL ADJOINING SECTIONS
ARE CONSTRUCTED
ALSO ELEVATION OF THE PROPOSED WEST PAVILION

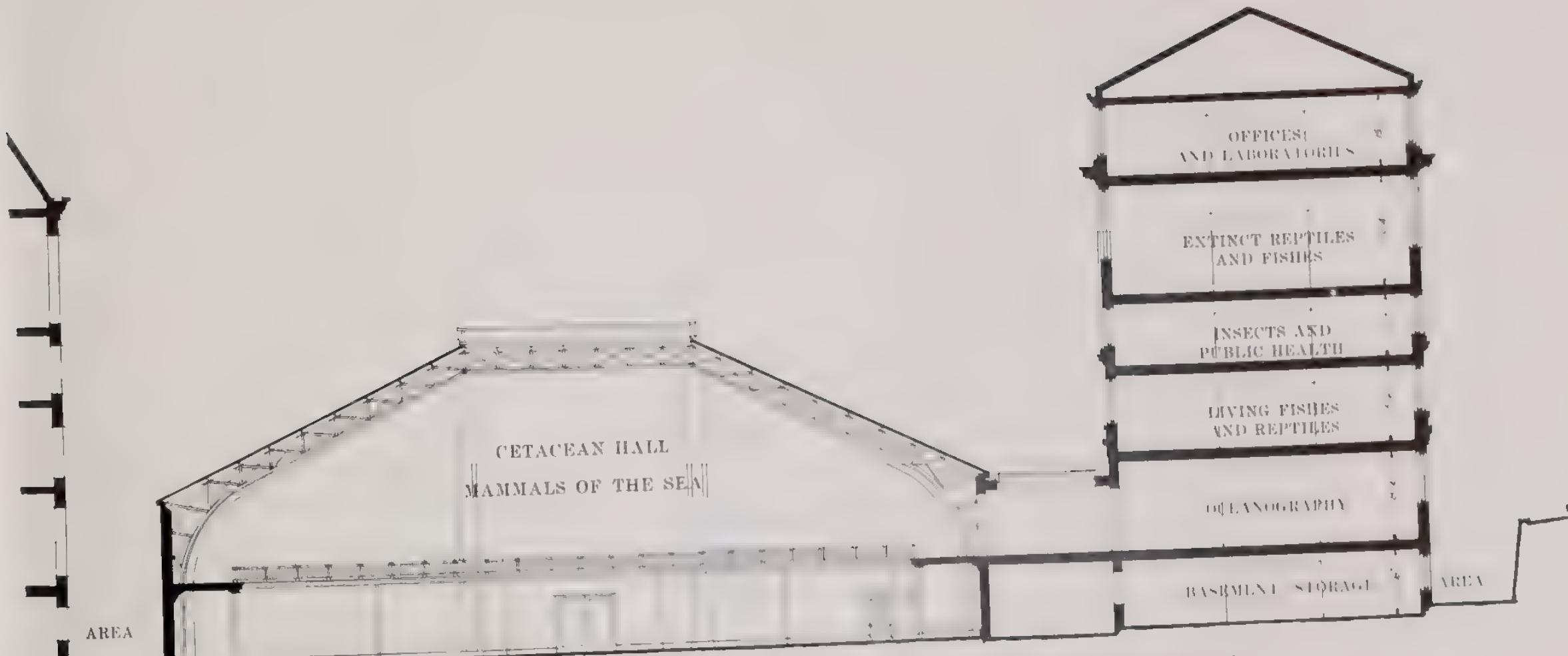


North and South Section, looking East towards proposed South Wing of East Façade



First Floor Level and Roof Girder Plan of Court Building (Cetacean Hall) and of
Proposed South Wing of East Façade.

TROWBRIDGE & LIVINGSTON
ARCHITECTS



East and West Section through the Southeast Court, showing New Wing and Cetacean Hall.

TROWBRIDGE & LIVINGSTON
ARCHITECTS



Preliminary Design for New West Pavilion facing 79th Street and Ninth Avenue

TROWBRIDGE & LIVINGSTON, Architects



THE AMERICAN MUSEUM OF NATURAL HISTORY

PLAN FOR NEW SOUTHEAST WING FACING CENTRAL PARK AND NEW SOUTHEAST COURT BUILDING

THIRD EDITION OF MUSEUM PLANS

JULY 1, 1915



THE AMERICAN MUSEUM OF NATURAL HISTORY

PLAN FOR NEW SOUTHEAST WING FACING CENTRAL PARK

AND

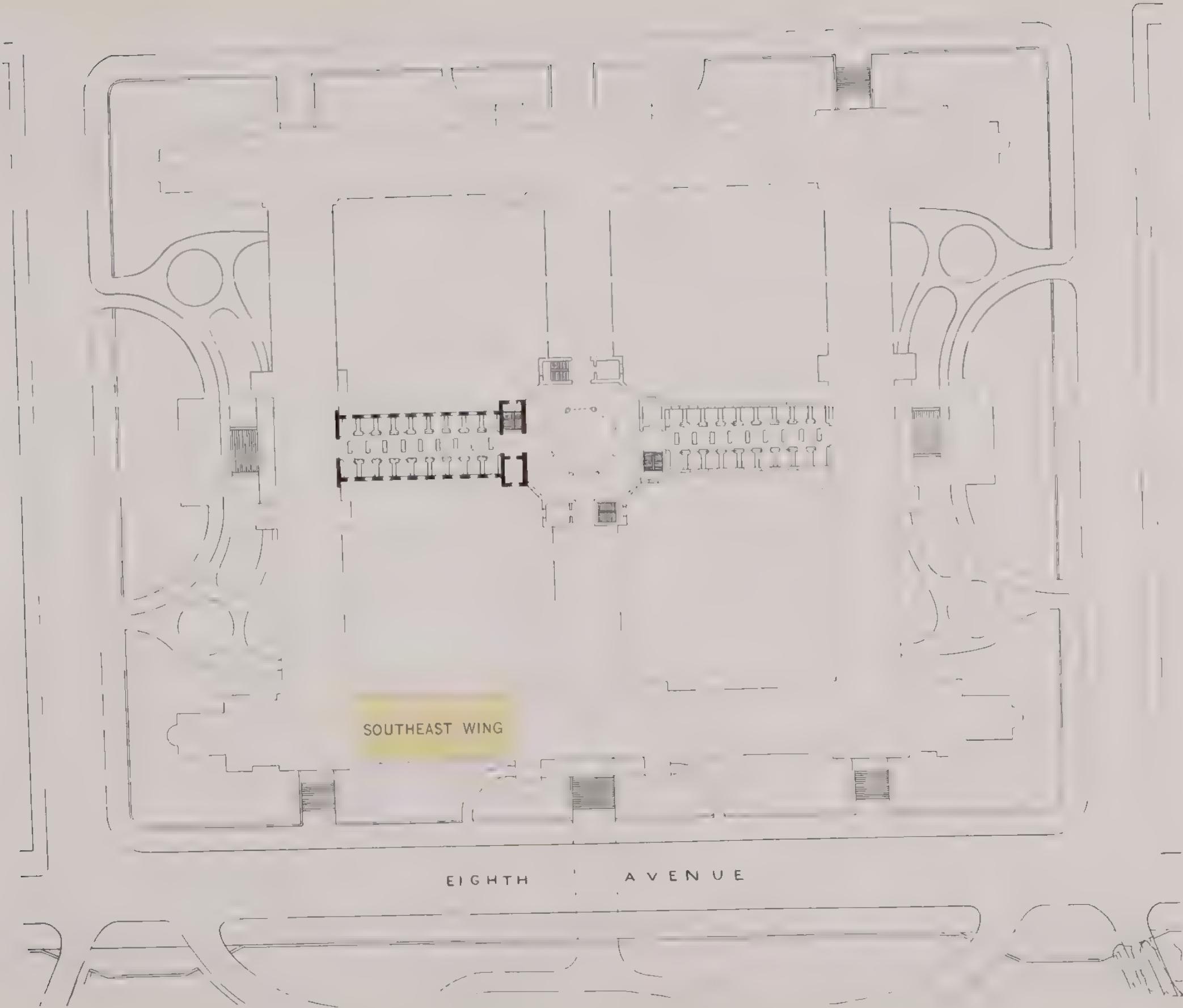
NEW SOUTHEAST COURT BUILDING

THIRD EDITION OF MUSEUM PLANS

JULY 1, 1915

FIRST EDITION—MAY, 1911

SECOND EDITION—MAY, 1912



FREDERIC LAW OLMS TED'S PLAN OF MANHATTAN SQUARE,
THE AMERICAN MUSEUM AND APPROACHES, 1875

DIAGRAM

Indicating proposed modification of the
design of Central Park, in adaptation to
requirements growing out of the proposed
improvements on Manhattan Square.

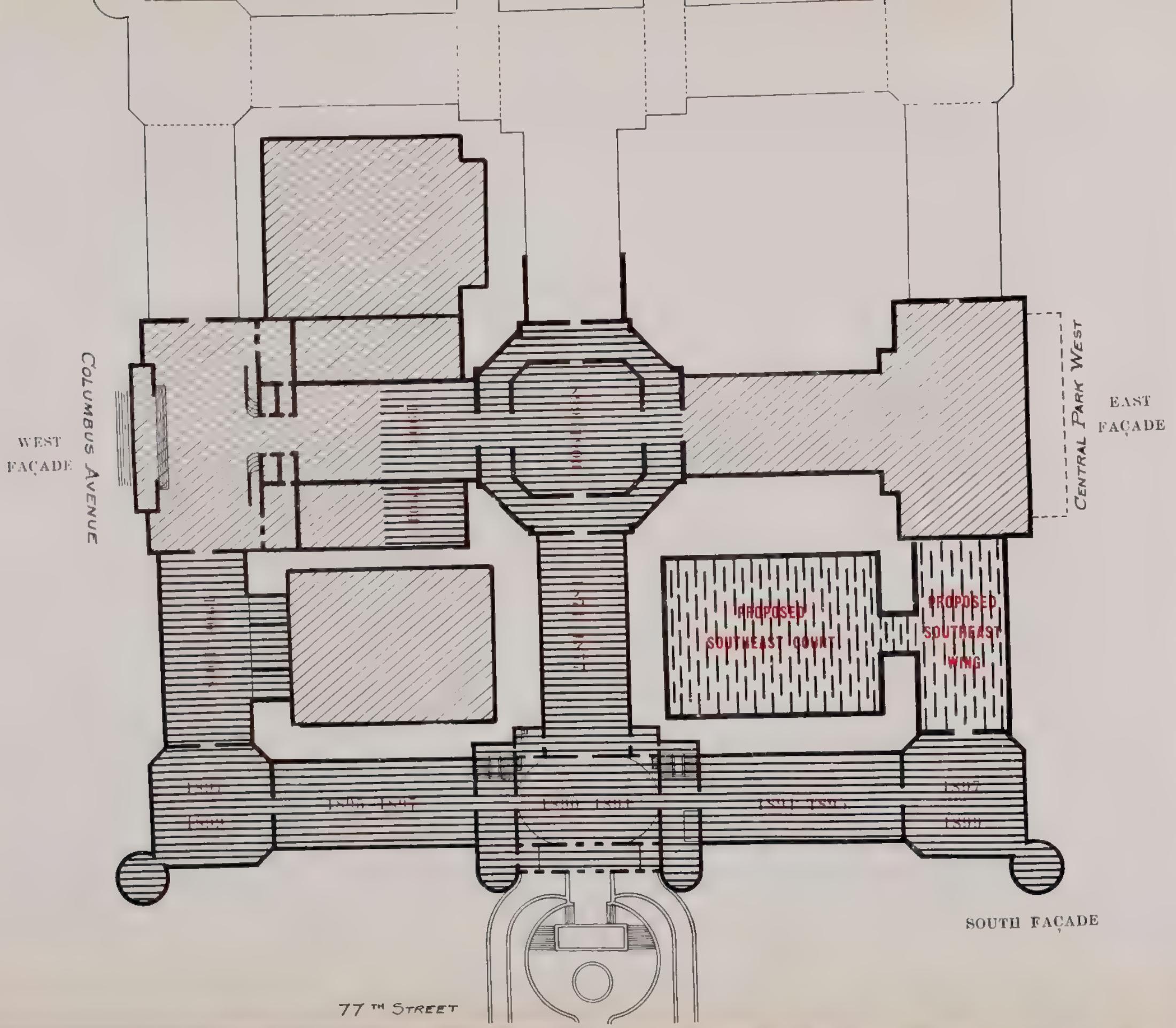
September 17th 1875

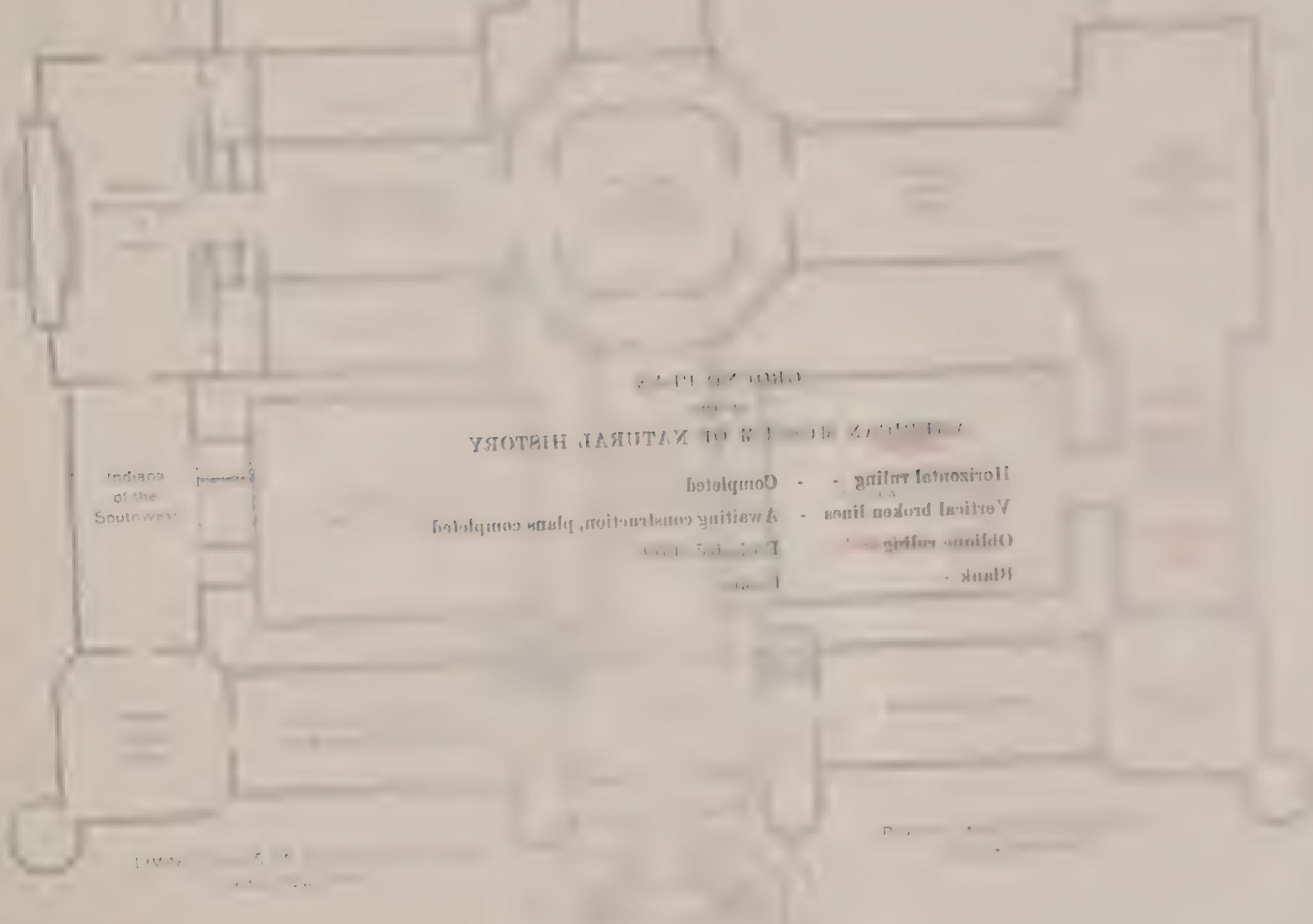
Fred. Law Olmsted
Scen. Architect.

In Board, September 17. 1875

Approved and the design provisionally
adopted, except in respect to the archway foot
approaches to Manhattan Square.

W^o Irwin
Secretary D. P. P.

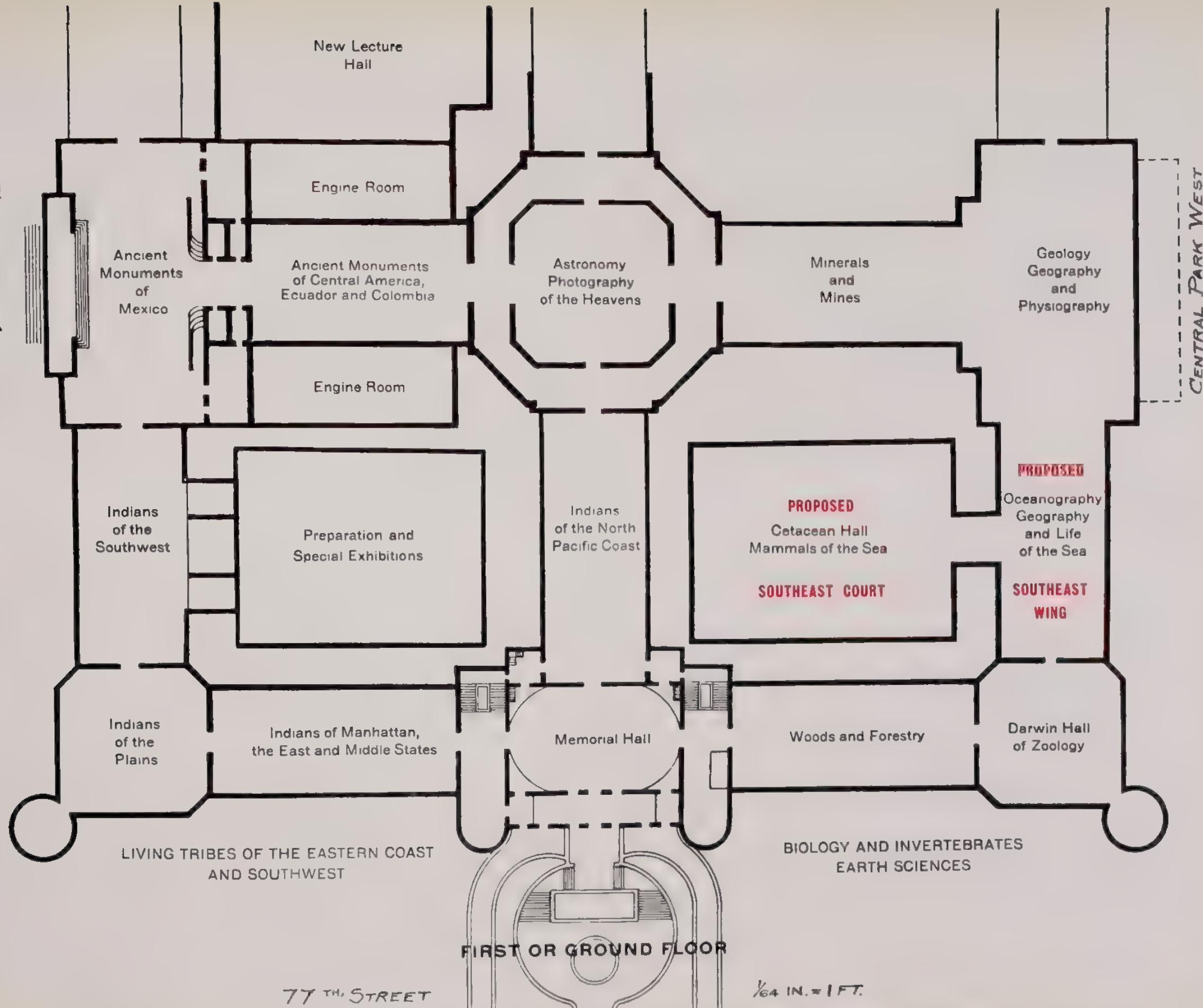




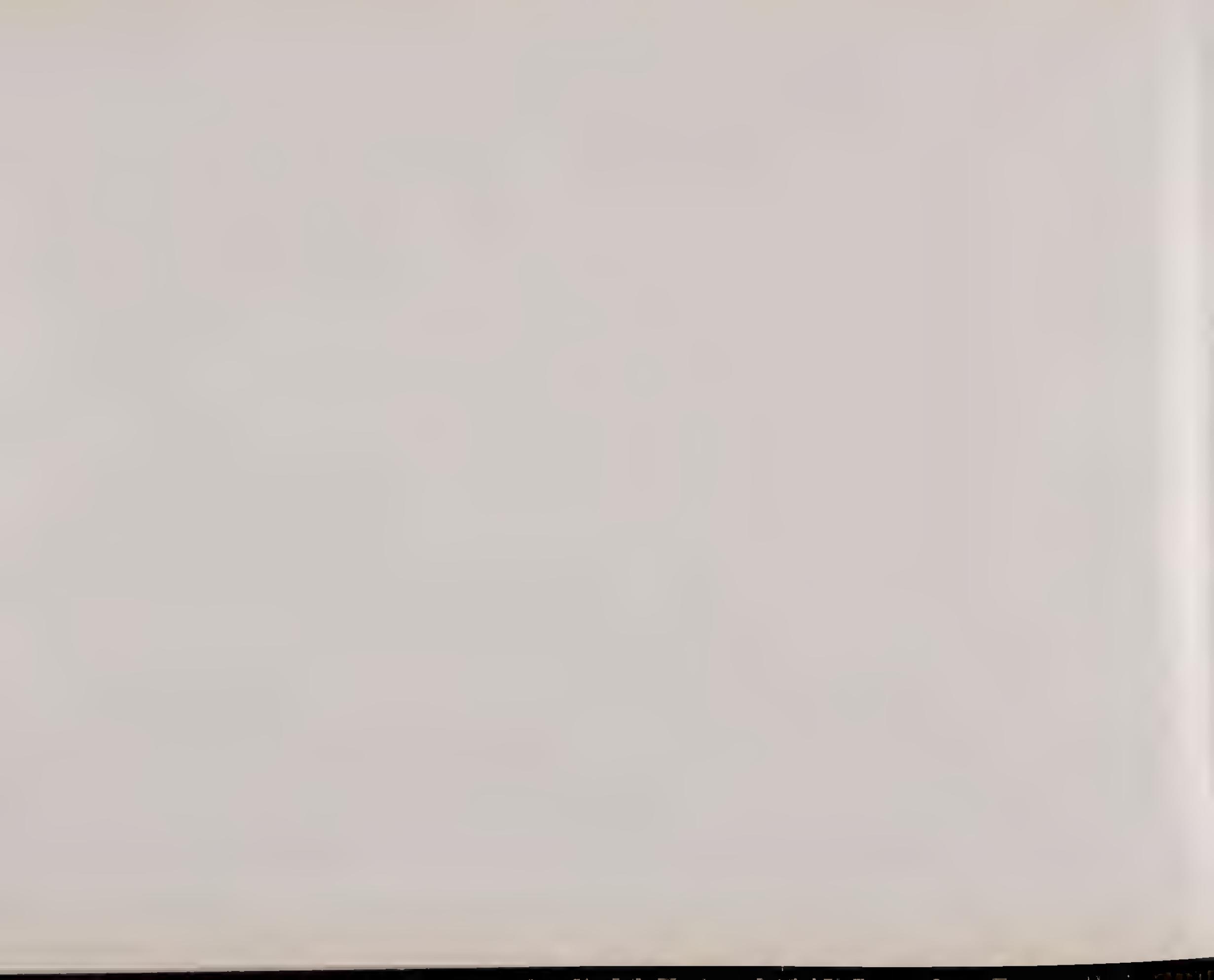
GROUND PLAN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY

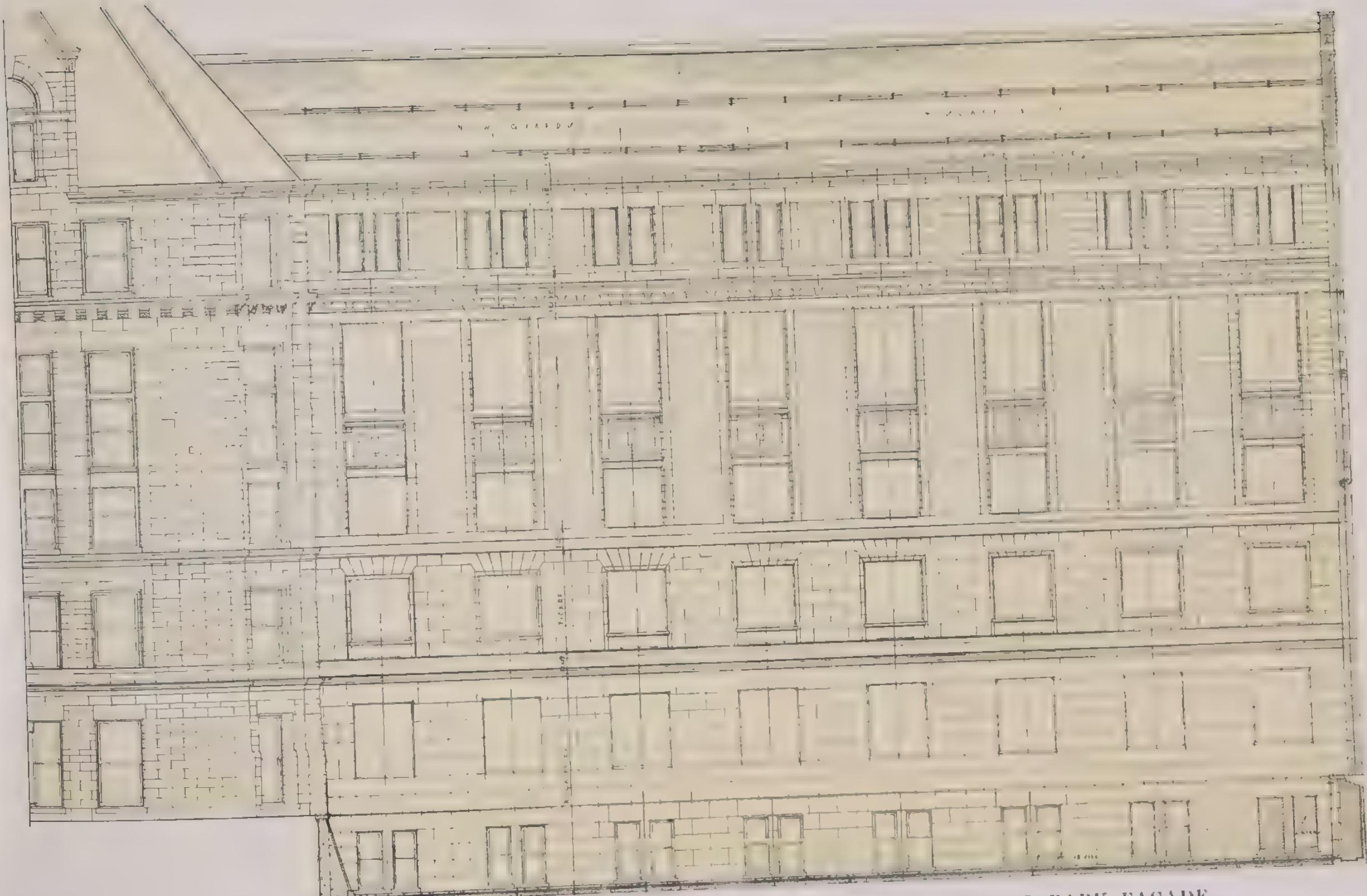
Horizontal ruling	-	Completed
Vertical broken lines	-	Awaiting construction, plans completed
Oblique ruling	-	Projected (1912)
Blank	- - -	Future

COLUMBUS AVENUE



ARRANGEMENT OF THE COLLECTIONS AND EXHIBITS ON THE FIRST FLOOR
AS PRESENTED BY PRESIDENT OSBORN IN 1911





ELEVATION OF NEW SOUTHEAST WING, CENTRAL PARK FAÇADE
TROWBRIDGE & LIVINGSTON, Architects



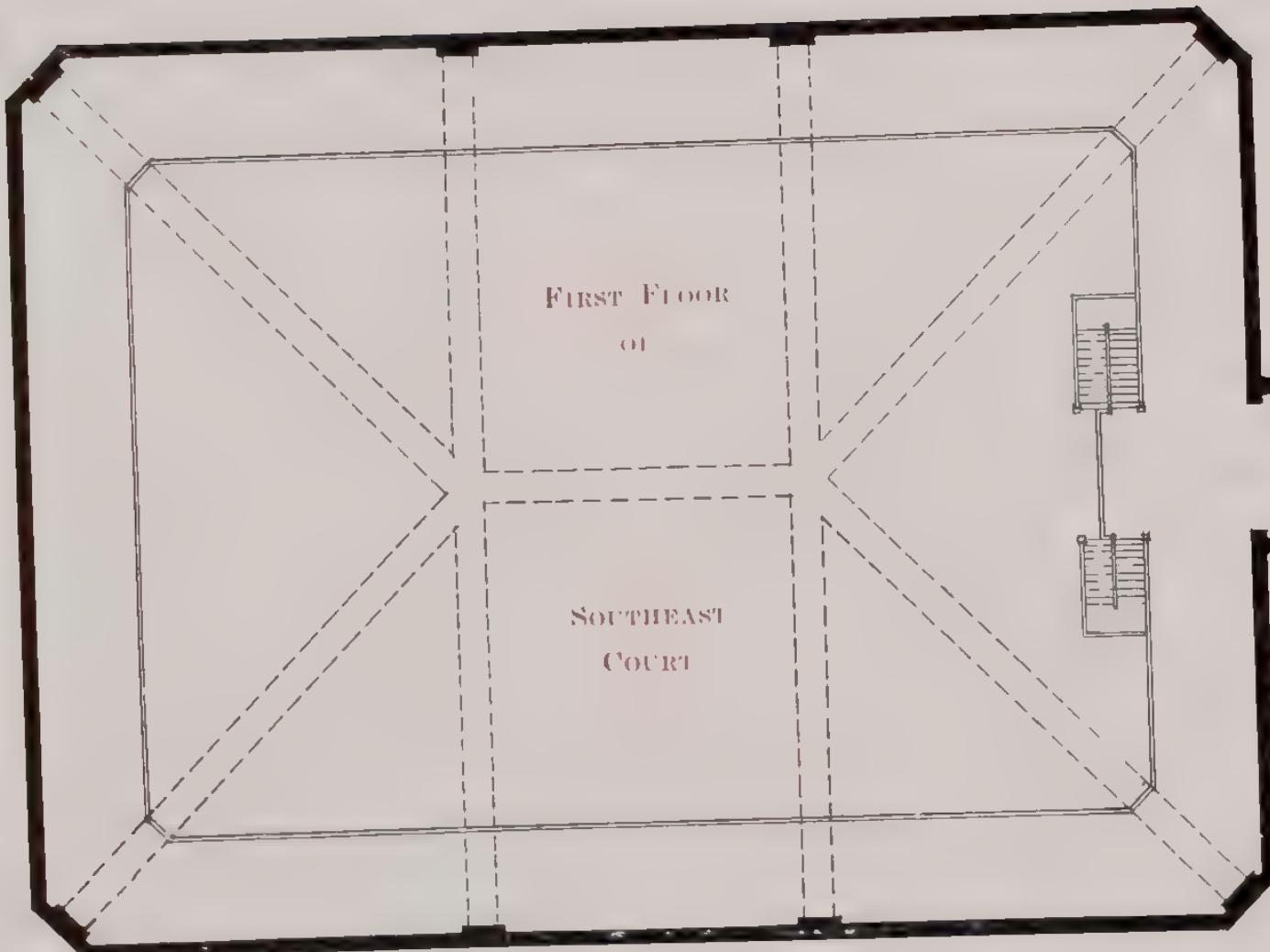
NORTH AND SOUTH SECTION, THROUGH SOUTHEAST COURT, LOOKING
EAST TOWARDS PROPOSED SOUTHEAST WING

TROWBRIDGE & LIVINGSTON, Architects



EAST AND WEST SECTION, THROUGH NEW SOUTHEAST WING
AND SOUTHEAST COURT BUILDING

TROWBRIDGE & LIVINGSTON
ARCHITECTS



FIRST FLOOR
OF

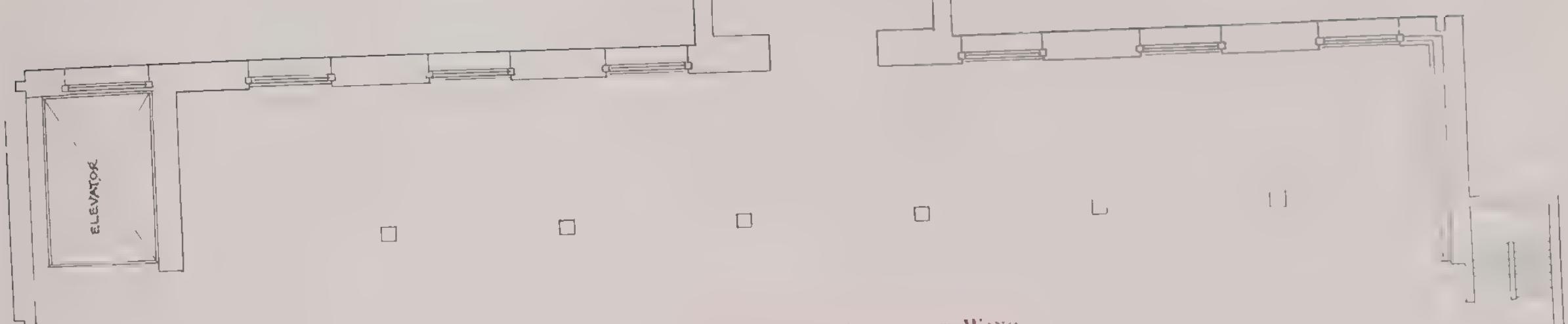
SOUTHEAST
COURT

FIRST FLOOR
OF
SOUTHEAST WING

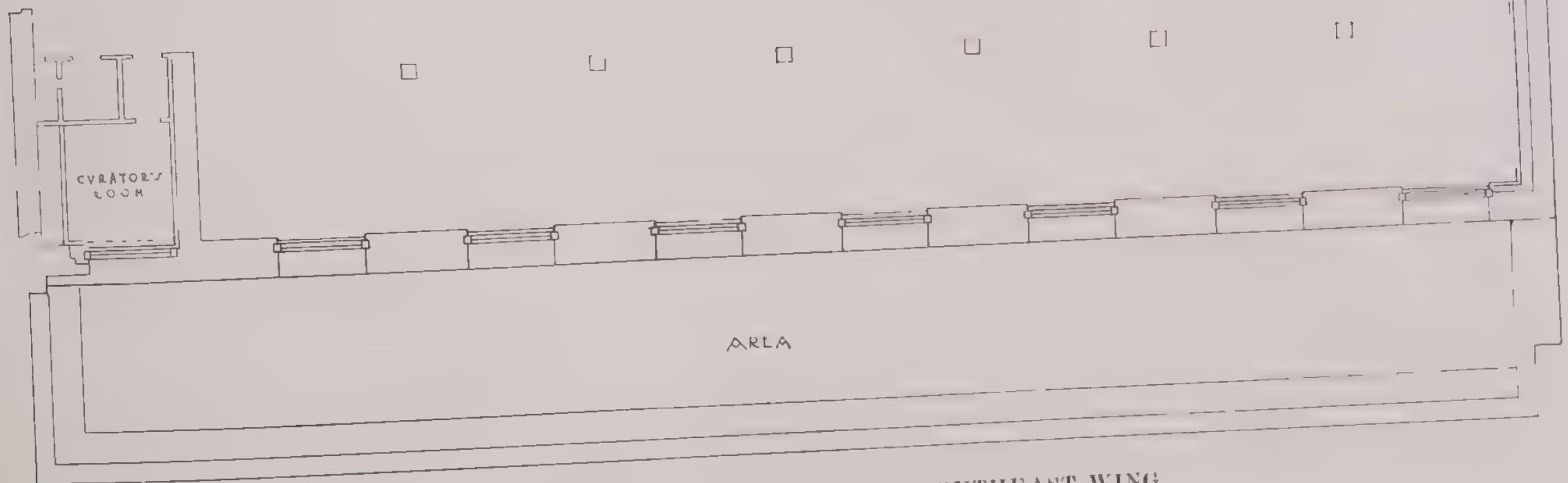
TROWBRIDGE & LIVINGSTON
ARCHITECTS

FIRST FLOOR LEVEL AND ROOF GIRDER PLAN OF COURT
BUILDING (CETACEAN HALL) AND OF PROPOSED
SOUTHEAST WING

TO GALLERY
S.E. COURT BUILDING



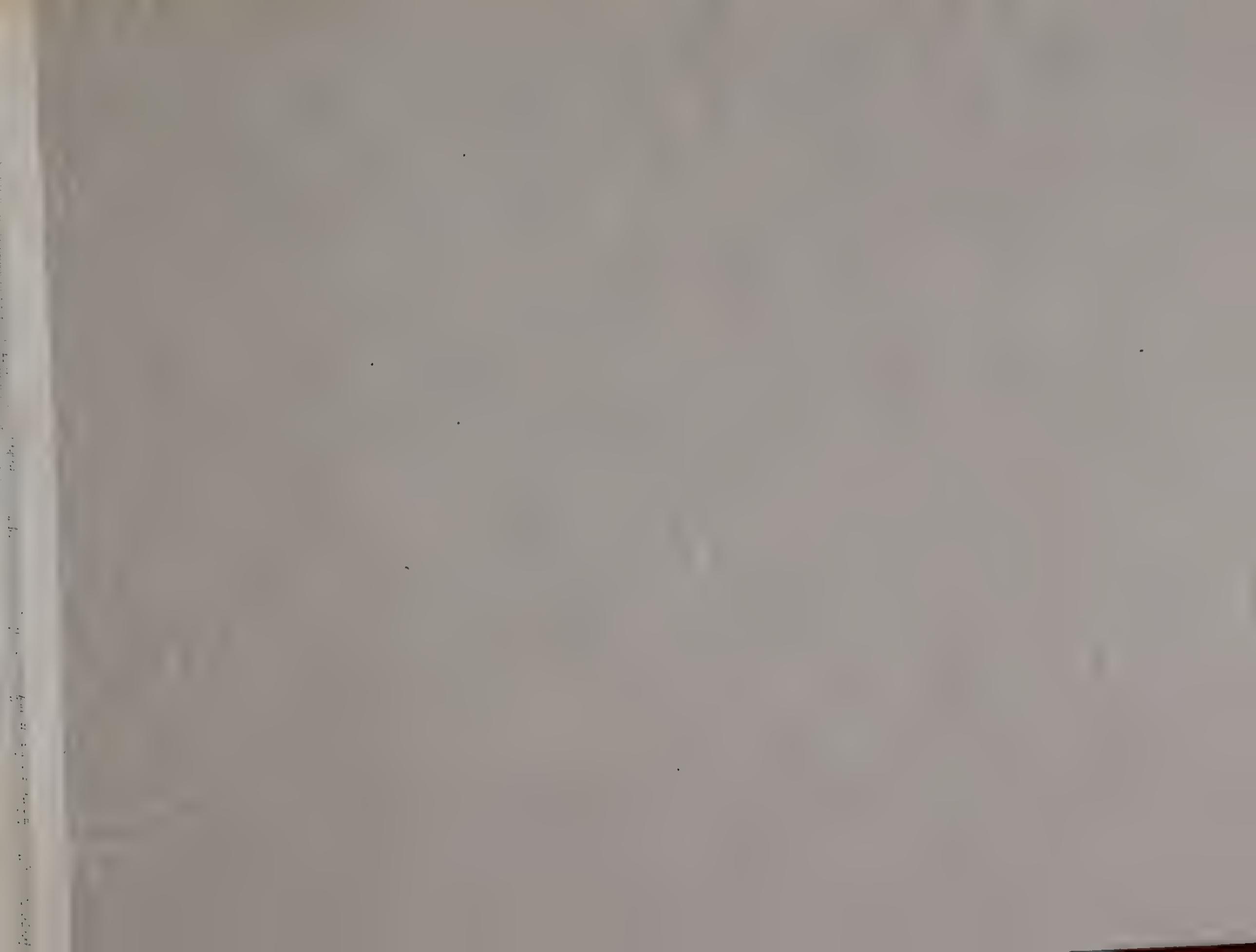
FIRST FLOOR OF SOUTHEAST WING



FIRST FLOOR PLAN OF NEW SOUTHEAST WING
TROWBRIDGE & LIVINGSTON, Architects





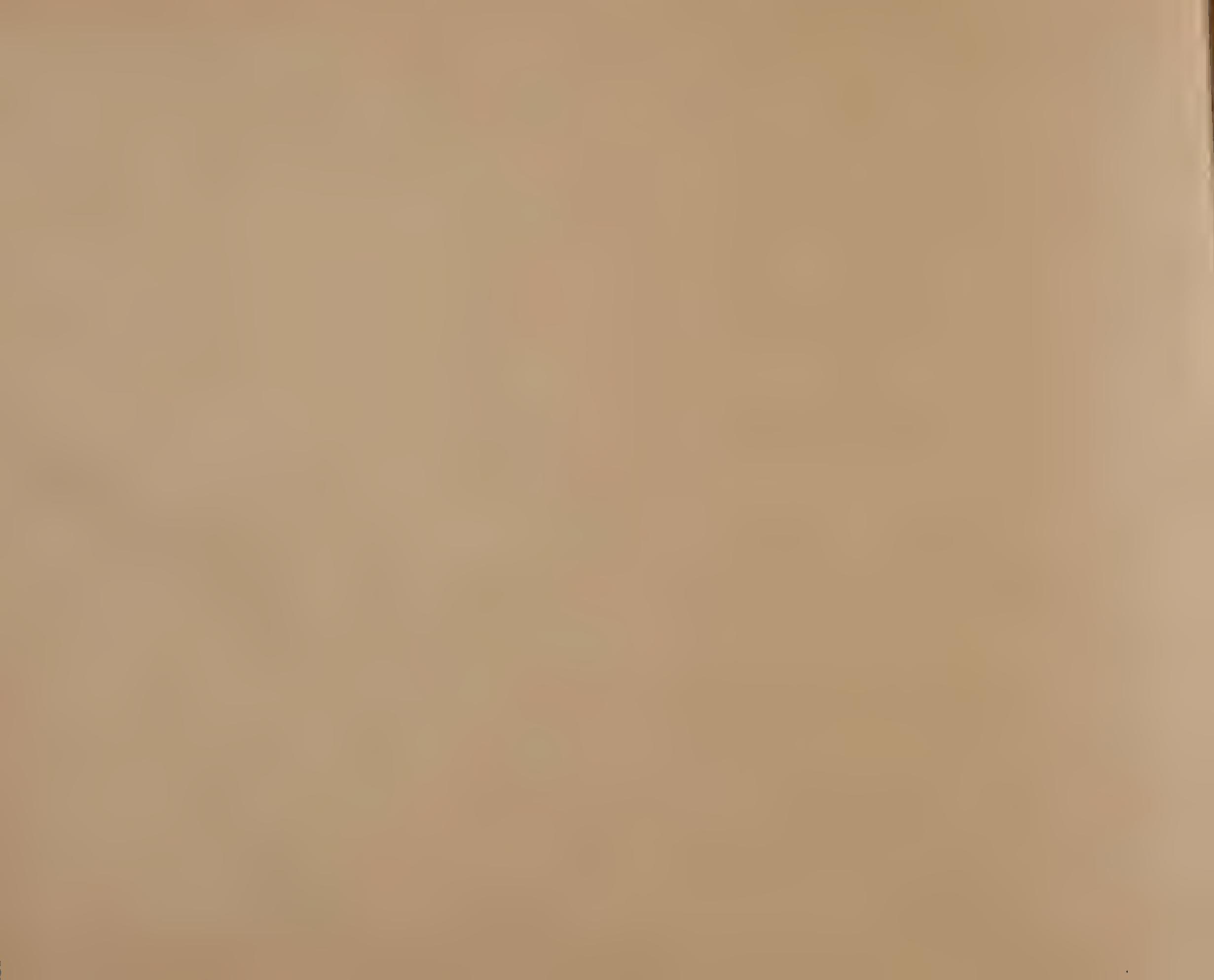


COSMUS & WASHBURN
NEW YORK

**GROWTH OF THE BUILDING
OF
THE AMERICAN MUSEUM OF NATURAL HISTORY**

**PROPOSED NEW EAST FAÇADE FACING CENTRAL PARK
PLANS FOR THE NEW SOUTHEAST WING
AND
NEW SOUTHEAST COURT BUILDING**

**FOURTH EDITION OF MUSEUM PLANS
DECEMBER 1, 1916**



**GROWTH OF THE BUILDING
OF
THE AMERICAN MUSEUM OF NATURAL HISTORY**

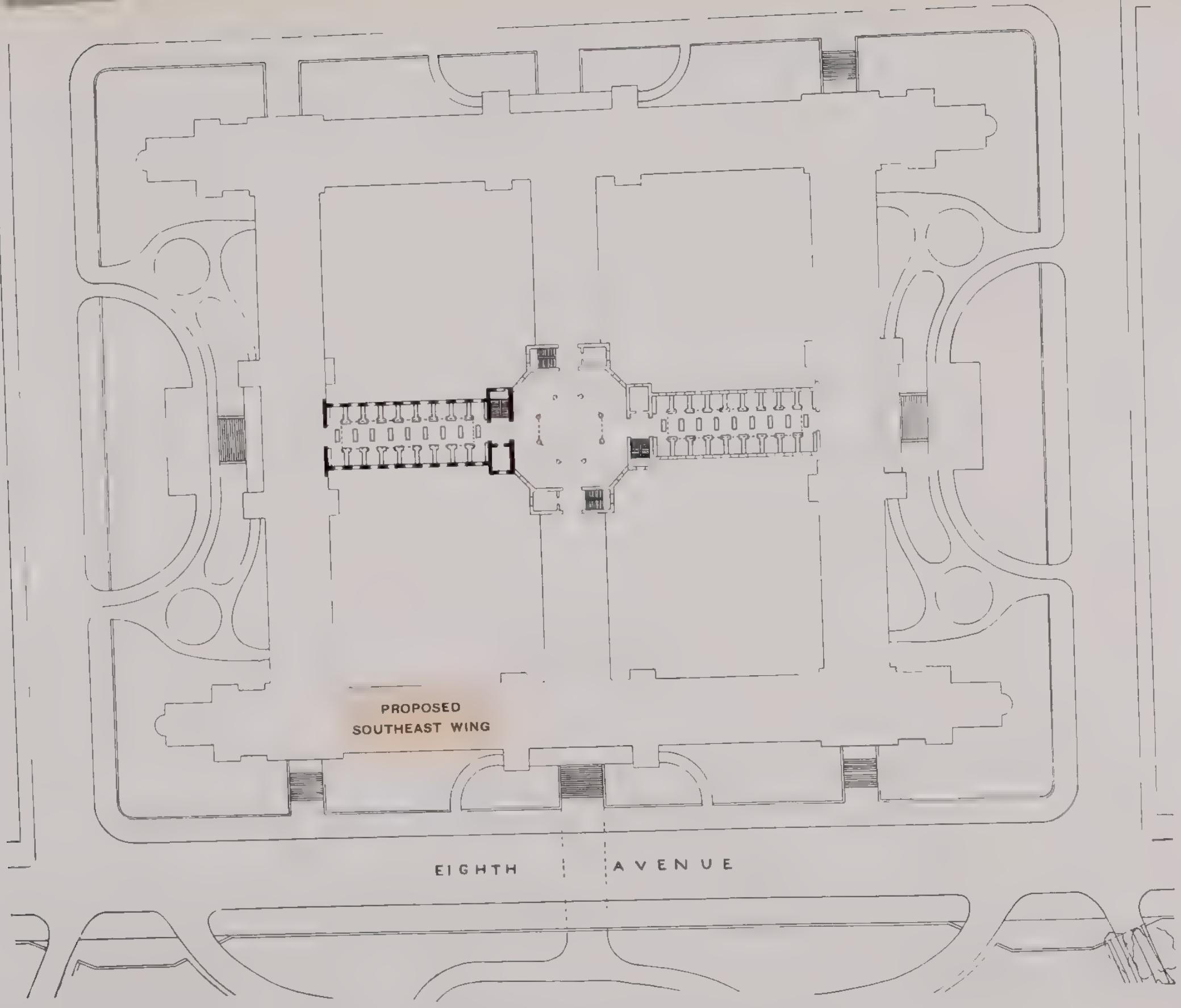
**PROPOSED NEW EAST FAÇADE FACING CENTRAL PARK
PLANS FOR THE NEW SOUTHEAST WING
AND
NEW SOUTHEAST COURT BUILDING**

**FOURTH EDITION OF MUSEUM PLANS
DECEMBER 1, 1916**

FIRST EDITION—MAY, 1911

SECOND EDITION—MAY, 1912

THIRD EDITION—JULY, 1915



FREDERIC LAW OLMS TED'S PLAN OF MANHATTAN SQUARE,
THE AMERICAN MUSEUM AND APPROACHES, 1875

DIAGRAM

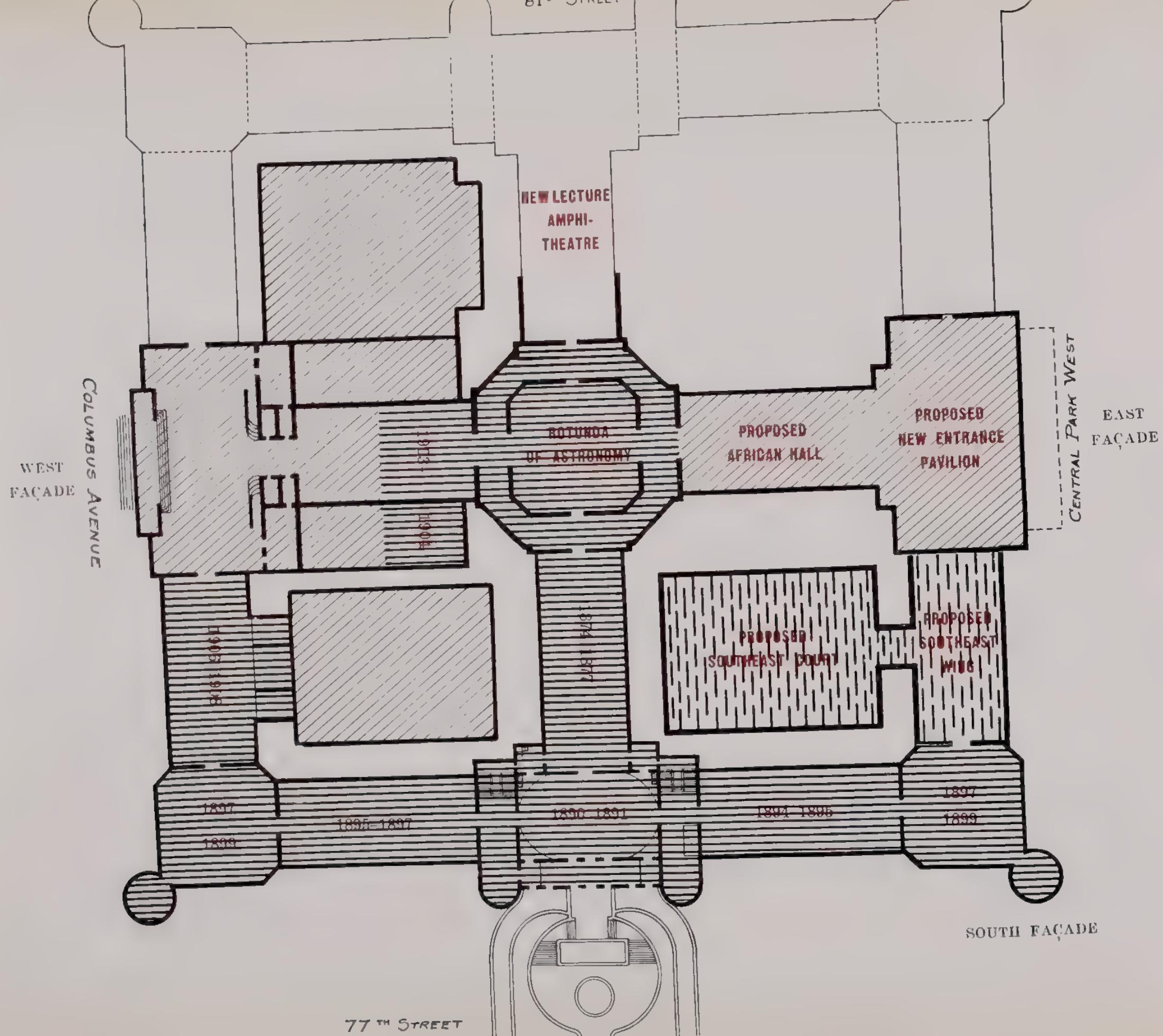
Indicating proposed modification of the design of Central Park, in adaptation to requirements growing out of the proposed improvements on Manhattan Square.

September 17th 1875

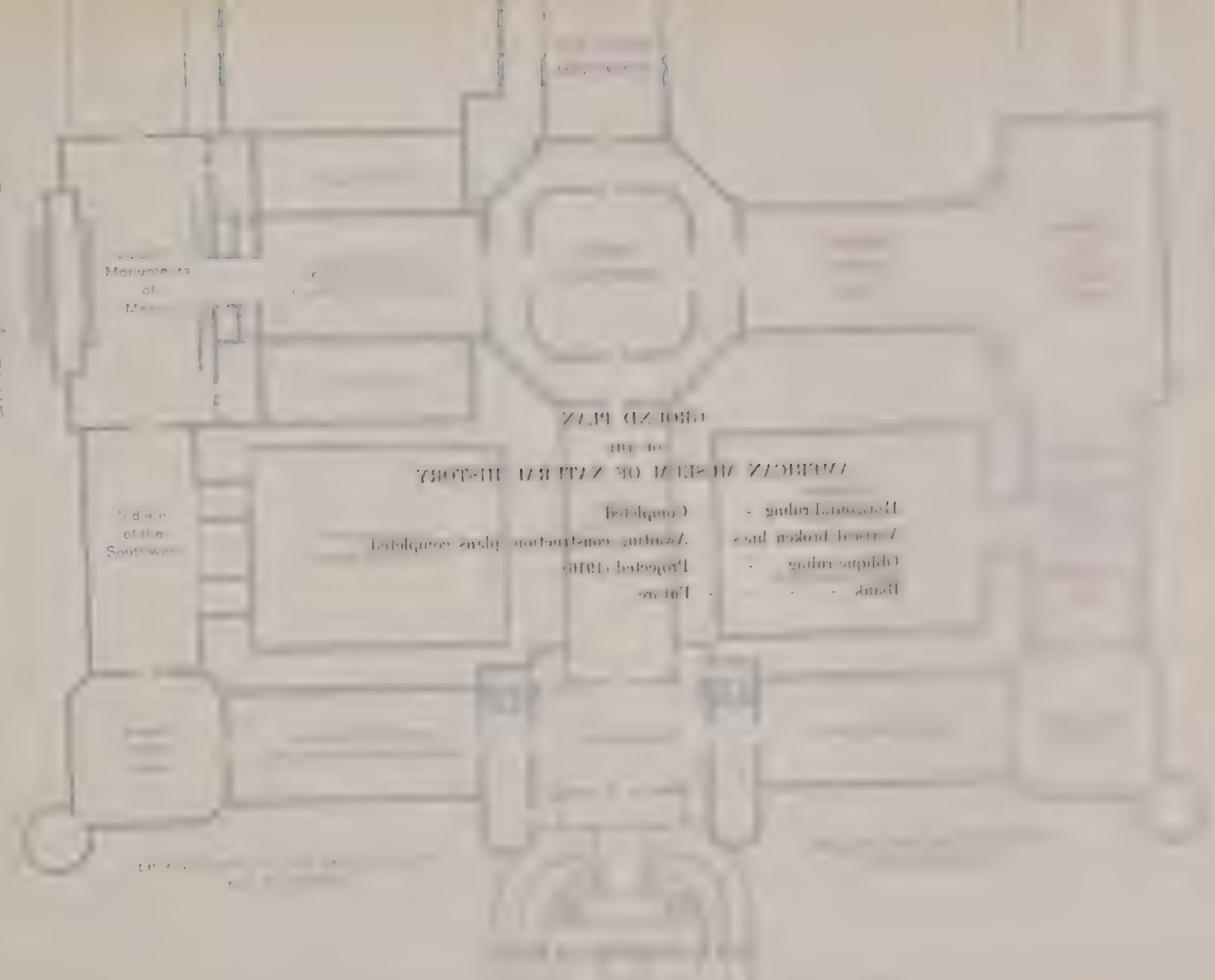
Fred. Law Olmsted
Scand. Architect.

____ In Board, September 17. 1875 ____
____ Approved and the design provisionally ____
____ adopted, except in respect to the archway, foot ____
____ approaches to Manhattan Square. ____

W^m Irwin
Secretary D. P. P.



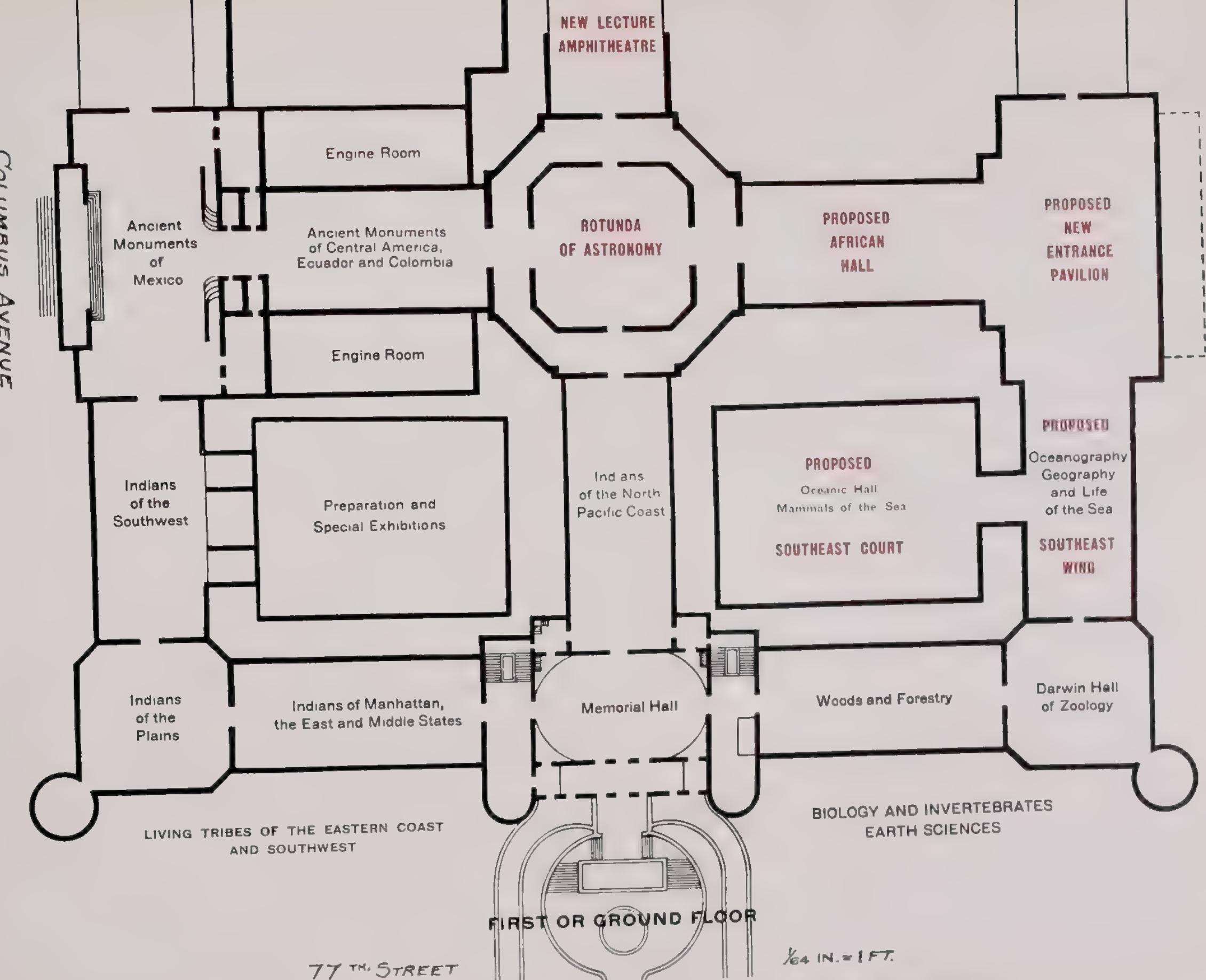
COLUMBUS AVENUE



GROUND PLAN
OF THE
AMERICAN MUSEUM OF NATURAL HISTORY

Horizontal ruling -	- Completed
Vertical broken lines	- Awaiting construction, plans completed
Oblique ruling -	- Projected (1916)
Blank - - -	- Future

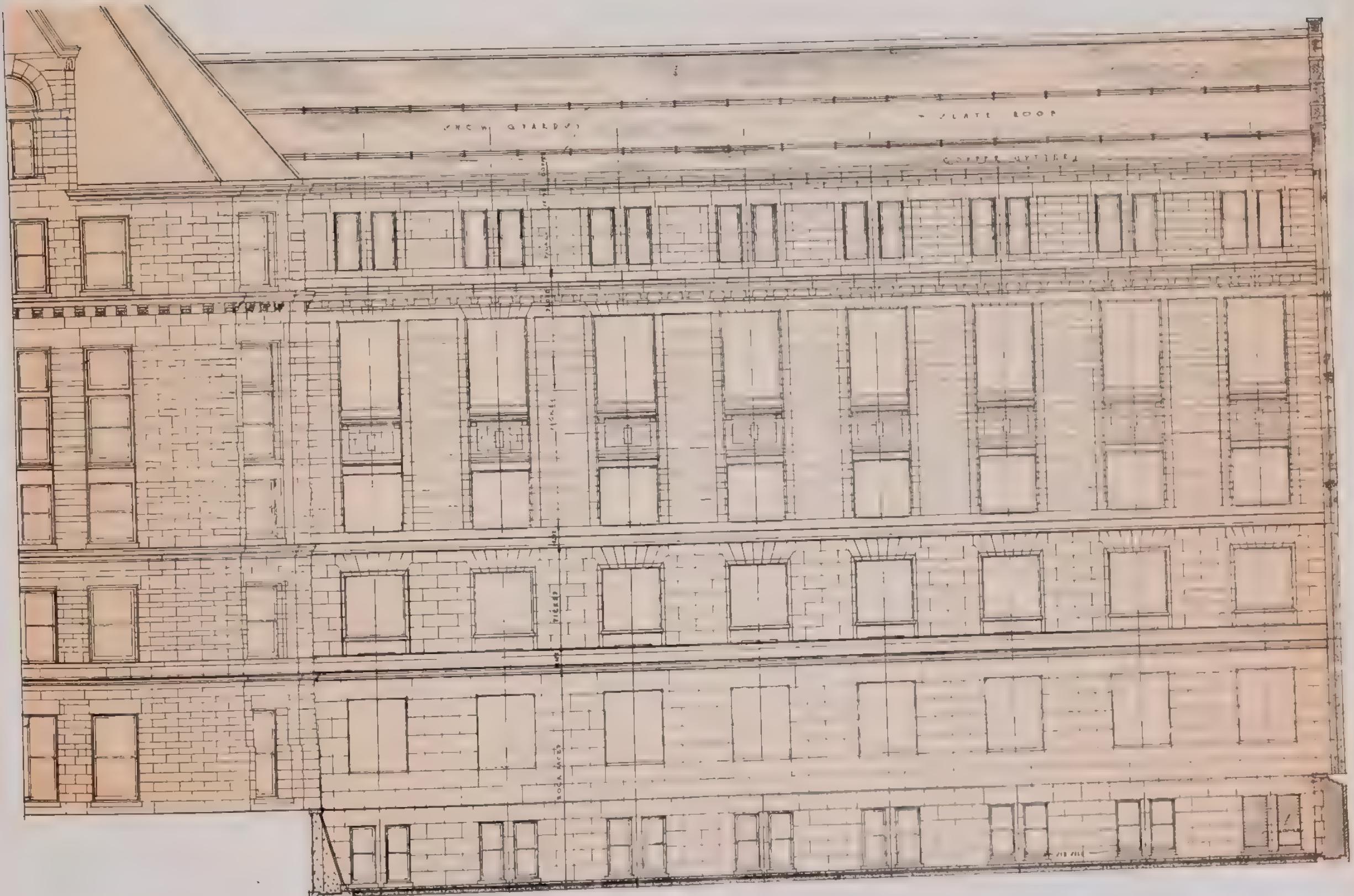
COLUMBUS AVENUE



ARRANGEMENT OF THE COLLECTIONS AND EXHIBITS ON THE FIRST FLOOR
AS PRESENTED BY PRESIDENT OSBORN IN 1916

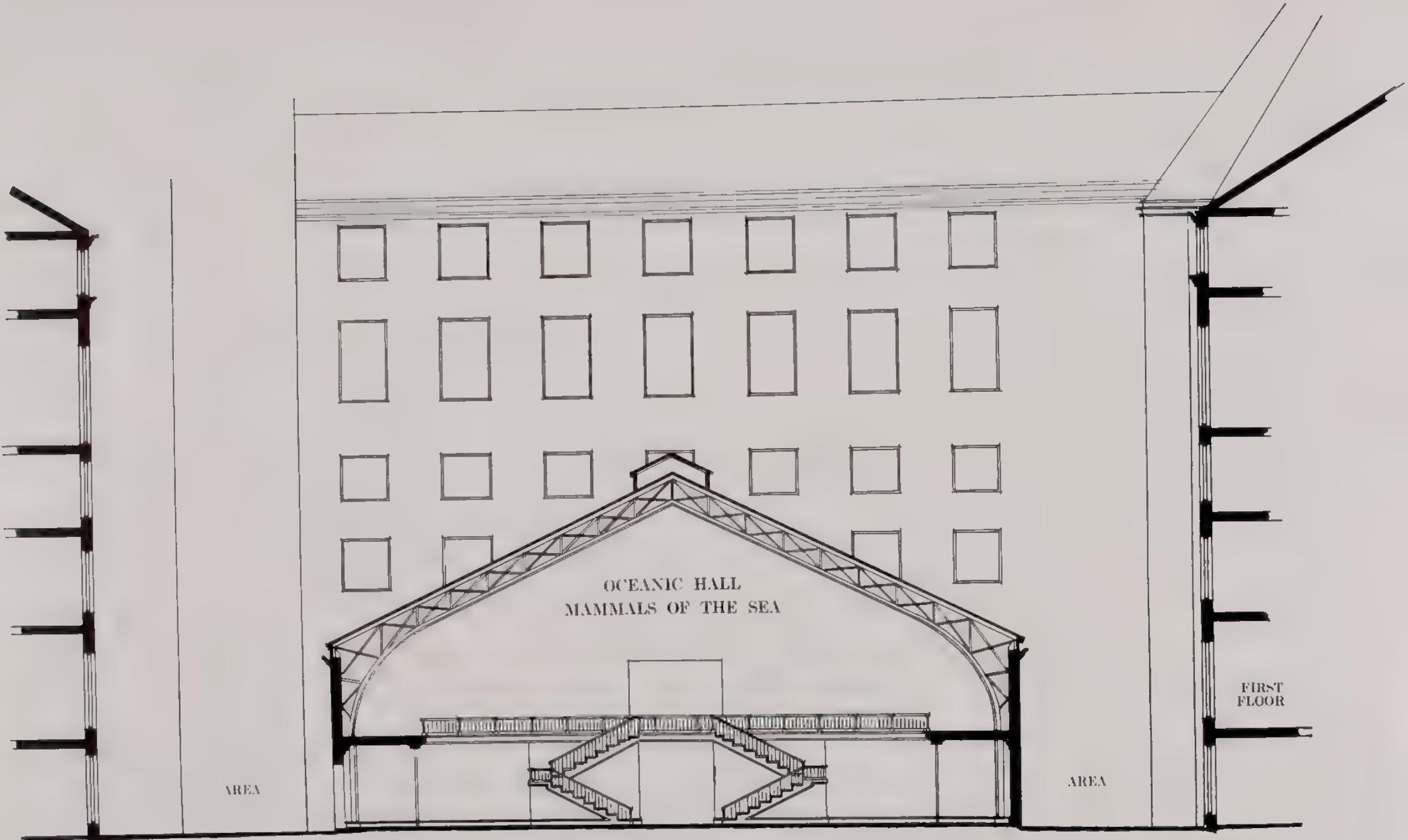


PROPOSED NEW EAST FAÇADE FACING CENTRAL PARK
PRELIMINARY DESIGN
TROWBRIDGE & LIVINGSTON, Architects



ELEVATION OF NEW SOUTHEAST WING, CENTRAL PARK FAÇADE

TROWBRIDGE & LIVINGSTON, Architects



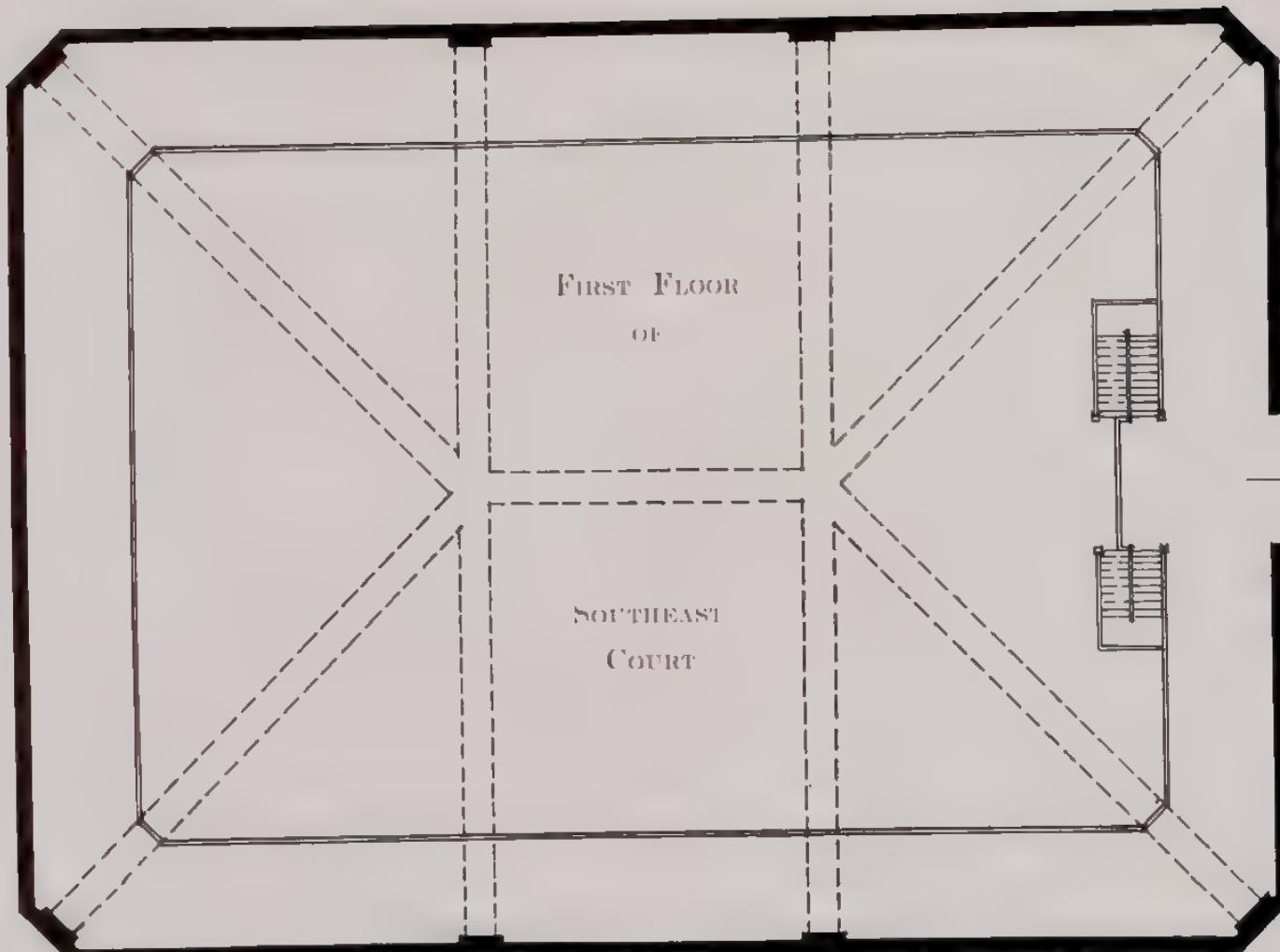
NORTH AND SOUTH SECTION, THROUGH SOUTHEAST COURT, LOOKING
EAST TOWARDS PROPOSED SOUTHEAST WING

TROWBRIDGE & LIVINGSTON, *Architects*



EAST AND WEST SECTION, THROUGH NEW SOUTHEAST WING
AND SOUTHEAST COURT BUILDING

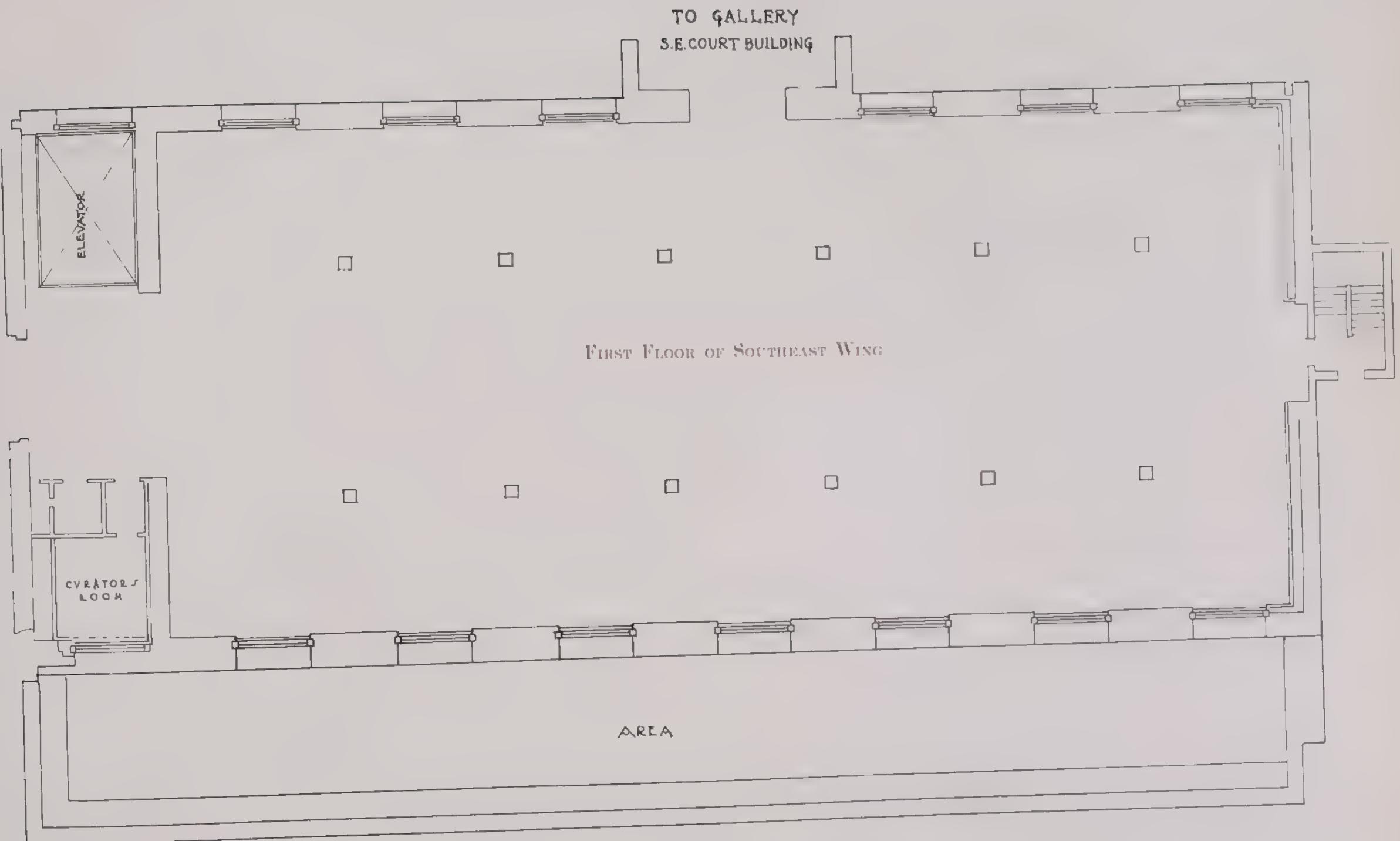
TROWBRIDGE & LIVINGSTON
ARCHITECTS



FIRST FLOOR
OF
SOUTHEAST WING

TROWBRIDGE & LIVINGSTON
ARCHITECTS

FIRST FLOOR LEVEL AND ROOF GIRDER PLAN OF COURT
BUILDING (OCEANIC HALL) AND OF PROPOSED
SOUTHEAST WING



FIRST FLOOR PLAN OF NEW SOUTHEAST WING
TROWBRIDGE & LIVINGSTON, Architects



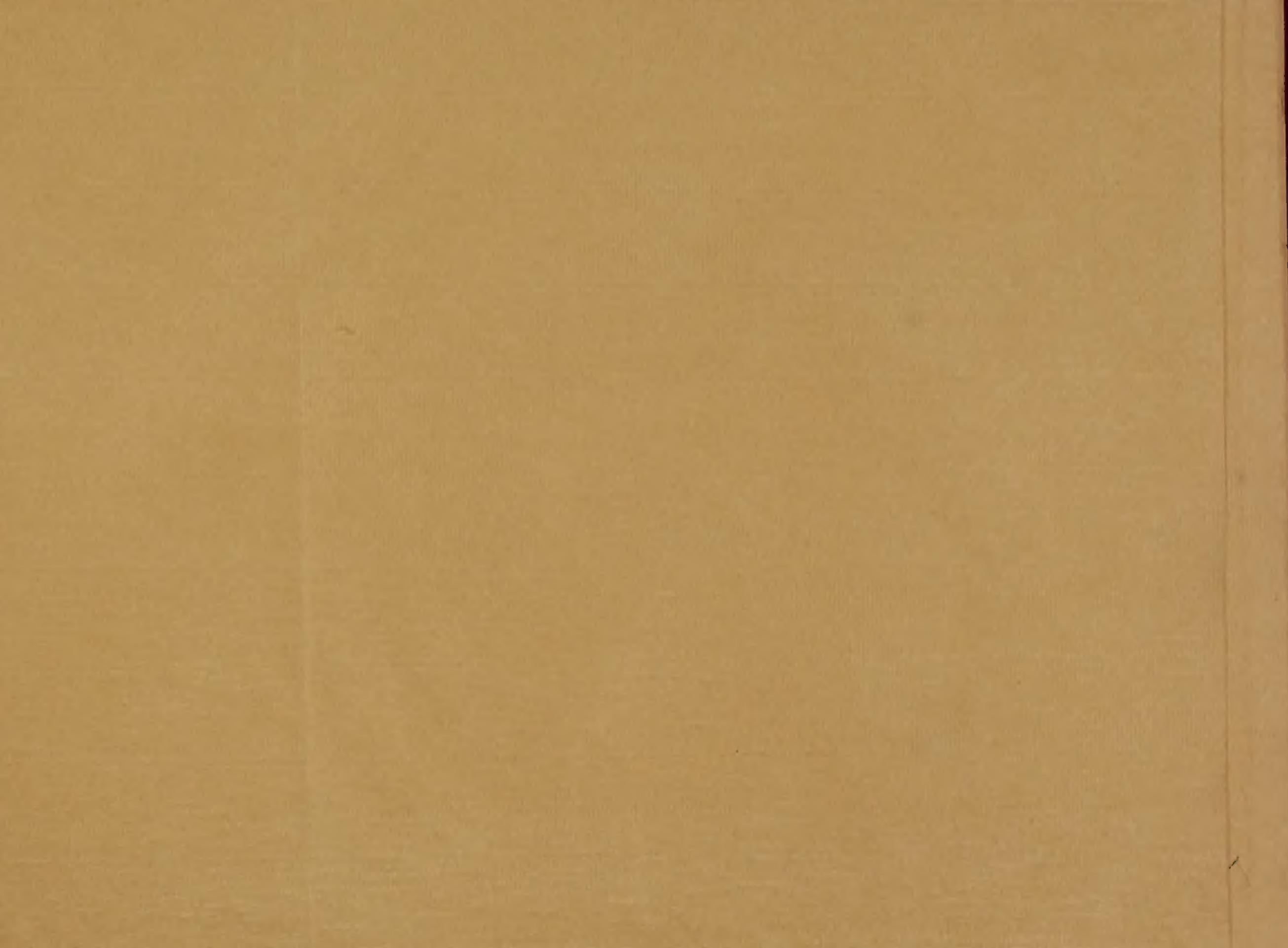
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